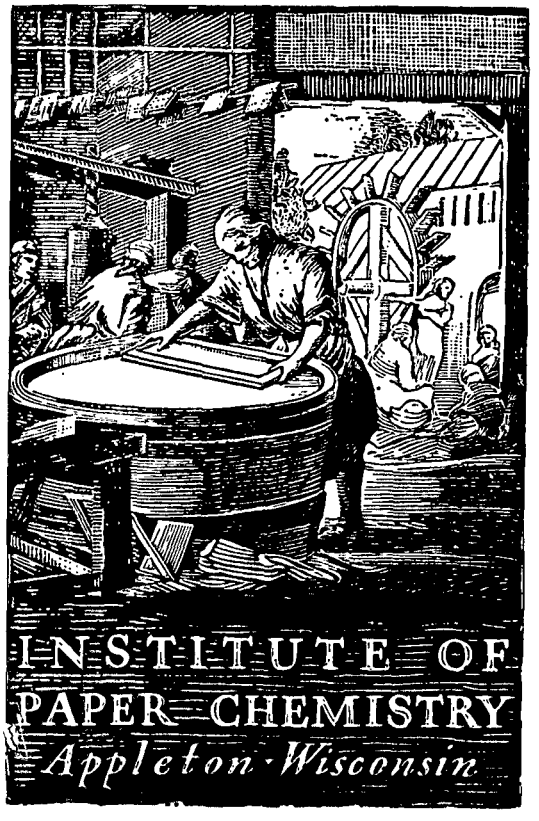


# BASE-LINE

2nd Quarter, 1982

## CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1982)

Project 2694-1

Report Eighty-Four
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

September 1, 1982

MacMILLAN BLOEDEL

Your machine is identified in this report
by the following code.

| | | |
|---|---|---|
| Pine Hill | 1 | C1 |

BASE-LINE
2nd QUARTER, 1982

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

# CONTINUOUS BASE-LINE STUDY (MODIFIED)
# (MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1982)

Project 2694-1

Report Eighty-Four

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FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE



September 1, 1982

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

# CONTINUOUS BASE-LINE STUDY (MODIFIED)
# (MILL LINERBOARD DATA FOR APRIL, MAY, JUNE, 1982)

## SUMMARY

## PART I: SUMMARY OF MOISTURE CONTENT DATA (MARCH-JUNE, 1982)

| Linerboard Grade Wt. | | Moisture Content | | | |
|---|---|---|---|---|---|
| | | March | April | May | June |
| 26 Lb | Max.[a] | 6.1 | 6.4 | 6.2 | 6.4 |
| | Min.[a] | 3.3 | 3.0 | 3.3 | 3.2 |
| | Av.[b] | 5.1(17) | 5.1(17) | 5.2(17) | 5.1(15) |
| 33 Lb | Max.[a] | 6.1 | 6.2 | 6.2 | 6.6 |
| | Min.[a] | 2.2 | 2.2 | 2.0 | 2.1 |
| | Av.[b] | 4.9(25) | 4.9(27) | 5.0(26) | 5.0(26) |
| 38 Lb | Max.[a] | 6.3 | 6.3 | 6.4 | 6.2 |
| | Min.[a] | 4.5 | 4.7 | 4.3 | 4.6 |
| | Av.[b] | 5.6(18) | 5.6(19) | 5.4(20) | 5.5(21) |
| 42 Lb | Max.[a] | 6.9 | 6.8 | 6.7 | 6.8 |
| | Min.[a] | 4.6 | 4.3 | 4.5 | 4.5 |
| | Av.[b] | 5.7(42) | 5.6(41) | 5.6(42) | 5.7(41) |
| 69 Lb | Max.[a] | 7.5 | 7.6 | 7.6 | 7.3 |
| | Min.[a] | 5.1 | 4.8 | 4.9 | 4.9 |
| | Av.[b] | 6.3(28) | 6.3(26) | 6.2(22) | 6.2(26) |
| 90 Lb | Max.[a] | 7.5 | 7.8 | 7.6 | 7.5 |
| | Min.[a] | 5.2 | 5.4 | 5.0 | 5.3 |
| | Av.[b] | 6.4(13) | 6.4(12) | 6.4(14) | 6.3(14) |

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

## PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (MARCH-JUNE, 1982)

| Linerboard Grade Wt. | | Adjusted Basis Weight, lb/M ft$^2$ | | | |
|---|---|---|---|---|---|
| | | March | April | May | June |
| 26 Lb | Max.[a] | 28.5 | 28.1 | 28.4 | 27.1 |
| | Min.[a] | 26.1 | 25.2 | 25.8 | 26.1 |
| | Av.[b] | 26.5(17) | 26.5(17) | 26.6(17) | 26.6(15) |
| 33 Lb | Max.[a] | 34.5 | 34.6 | 34.2 | 34.5 |
| | Min.[a] | 32.8 | 32.9 | 32.4 | 32.5 |
| | Av.[b] | 33.4(25) | 33.4(27) | 33.4(26) | 33.4(26) |
| 38 Lb | Max.[a] | 39.1 | 39.0 | 39.4 | 39.9 |
| | Min.[a] | 38.0 | 37.8 | 38.0 | 38.0 |
| | Av.[b] | 38.4(18) | 38.4(19) | 38.4(20) | 38.5(21) |
| 42 Lb | Max.[a] | 43.6 | 43.0 | 43.2 | 43.2 |
| | Min.[a] | 41.8 | 41.8 | 41.3 | 41.6 |
| | Av.[b] | 42.4(42) | 42.4(41) | 42.4(42) | 42.4(41) |
| 69 Lb | Max.[a] | 70.3 | 70.7 | 71.0 | 70.9 |
| | Min.[a] | 68.6 | 68.6 | 68.1 | 68.1 |
| | Av.[b] | 69.5(28) | 69.4(26) | 69.5(22) | 69.4(26) |
| 90 Lb | Max.[a] | 91.2 | 91.3 | 91.3 | 91.7 |
| | Min.[a] | 90.0 | 89.7 | 89.7 | 88.0 |
| | Av.[b] | 90.6(13) | 90.6(12) | 90.5(14) | 90.5(14) |

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

## PART III: SUMMARY OF CALIPER DATA (MARCH-JUNE, 1982)

| Linerboard Grade Wt. | | Caliper, pt. March | April | May | June |
|---|---|---|---|---|---|
| 26 Lb | Max.[a] | 8.9 | 8.7 | 8.9 | 8.4 |
| | Min.[a] | 7.3 | 7.4 | 7.5 | 7.3 |
| | Av.[b] | 7.9(17) | 7.9(17) | 8.0(17) | 8.0(15) |
| 33 Lb | Max.[a] | 10.8 | 10.8 | 10.6 | 10.9 |
| | Min.[a] | 8.2 | 8.1 | 8.7 | 8.3 |
| | Av.[b] | 9.7(24) | 9.8(26) | 9.7(25) | 9.7(26) |
| 38 Lb | Max.[a] | 11.4 | 11.6 | 11.6 | 11.4 |
| | Min.[a] | 9.1 | 10.1 | 9.9 | 10.1 |
| | Av.[b] | 10.8(17) | 10.9(18) | 10.7(18) | 10.8(19) |
| 42 Lb | Max.[a] | 13.1 | 13.1 | 13.0 | 13.1 |
| | Min.[a] | 10.5 | 10.3 | 10.4 | 10.9 |
| | Av.[b] | 11.9(41) | 11.8(40) | 11.9(41) | 11.9(40) |
| 69 Lb | Max.[a] | 22.2 | 21.6 | 21.3 | 21.5 |
| | Min.[a] | 17.7 | 17.6 | 16.9 | 17.7 |
| | Av.[b] | 19.7(26) | 19.4(24) | 19.3(21) | 19.5(25) |
| 90 Lb | Max.[a] | 27.3 | 27.3 | 27.8 | 28.8 |
| | Min.[a] | 23.3 | 22.8 | 22.8 | 23.1 |
| | Av.[b] | 25.4(13) | 25.1(12) | 25.5(14) | 25.7(13) |

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

## PART IV: SUMMARY OF BURSTING STRENGTH DATA (MARCH-JUNE, 1982)

| Linerboard Grade Wt. | | Bursting Strength, psig | | | |
|---|---|---|---|---|---|
| | | March | April | May | June |
| 26 Lb | Max.[a] | 82 | 79 | 91 | 77 |
| | Min.[a] | 64 | 63 | 62 | 65 |
| | Av.[b] | 72(17) | 71(17) | 72(17) | 72(15) |
| 33 Lb | Max.[a] | 102 | 98 | 97 | 97 |
| | Min.[a] | 78 | 76 | 76 | 79 |
| | Av.[b] | 85(25) | 86(27) | 86(26) | 87(26) |
| 38 Lb | Max.[a] | 110 | 115 | 110 | 106 |
| | Min.[a] | 92 | 90 | 91 | 90 |
| | Av.[b] | 98(18) | 99(19) | 99(20) | 98(21) |
| 42 Lb | Max.[a] | 125 | 141 | 124 | 121 |
| | Min.[a] | 99 | 99 | 98 | 98 |
| | Av.[b] | 106(42) | 107(41) | 107(42) | 106(41) |
| 69 Lb | Max.[a] | 158 | 158 | 158 | 157 |
| | Min.[a] | 137 | 133 | 135 | 137 |
| | Av.[b] | 143(28) | 142(26) | 143(22) | 144(26) |
| 90 Lb | Max.[a] | 181 | 191 | 189 | 187 |
| | Min.[a] | 161 | 159 | 160 | 157 |
| | Av.[b] | 170(13) | 173(12) | 174(14) | 174(14) |

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA
(MARCH-JUNE, 1982)

| Linerboard Grade Wt. | | CD Ring Crush, lb | | | |
|---|---|---|---|---|---|
| | | March | April | May | June |
| 26 Lb | Max.[a] | | 49.0 | 45.0 | 45.0 |
| | Min.[a] | | 25.0 | 21.0 | 31.0 |
| | Av.[b] | -- | 36.8(9) | 34.4(8) | 37.8(8) |
| 33 Lb | Max.[a] | | 56.0 | 65.0 | 57.0 |
| | Min.[a] | | 37.0 | 35.0 | 41.0 |
| | Av.[b] | -- | 49.0(12) | 49.4(11) | 47.6(13) |
| 38 Lb | Max.[a] | | 87.8 | 82.0 | 84.0 |
| | Min.[a] | | 52.0 | 55.0 | 46.9 |
| | Av.[b] | -- | 64.8(14) | 65.3(13) | 63.6(14) |
| 42 Lb | Max.[a] | | 90.0 | 89.0 | 97.0 |
| | Min.[a] | | 58.0 | 55.0 | 50.0 |
| | Av.[b] | -- | 70.5(23) | 71.5(23) | 70.6(23) |
| 69 Lb | Max.[a] | | 132.0 | 154.0 | 156.0 |
| | Min.[a] | | 96.0 | 99.0 | 90.0 |
| | Av.[b] | -- | 115.4(18) | 119.9(14) | 117.9(15) |
| 90 Lb | Max.[a] | | 197.0 | 174.0 | 169.0 |
| | Min.[a] | | 125.0 | 140.0 | 135.0 |
| | Av.[b] | -- | 154.7(8) | 155.7(9) | 151.4(9) |

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

## INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

## PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, bursting strength, and CD ring crush are compiled in the following tables.

| Table Number | Description |
|---|---|
| I-II-III-IV | Mill Test Averages on 26-lb Linerboard |
| V-VI-VII-VIII | Mill Test Averages on 33-lb Linerboard |
| IX-X-XI-XII | Mill Test Averages on 38-lb Linerboard |
| XIII-XIV-XV-XVI | Mill Test Averages on 42-lb Linerboard |
| XVII-XVIII-XIX-XX | Mill Test Averages on 69-lb Linerboard |
| XXI-XXII-XXIII-XXIV | Mill Test Averages on 90-lb Linerboard |

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | | 3.4 | | | | 26.0 | | | | 27.3 | | | | 7.2 | | | | 90 | | |
| E1 | | 4.9 | | | | 26.1 | | | | 26.2 | | | | 8.1 | | | | 71 | | |
| I1 | 5.0 | 4.8 | 104.2 | 102.0 | 26.2 | 26.2 | 100.0 | 101.2 | 26.3 | 26.3 | 100.0 | 99.2 | 8.0 | 7.9 | 101.3 | 101.3 | 76 | 79 | 96.2 | 107.0 |
| T1 | 5.5 | 5.3 | 103.8 | 112.2 | 26.2 | 26.1 | 100.4 | 101.2 | 26.3 | 26.2 | 100.4 | 99.2 | 7.9 | 7.8 | 101.3 | 100.0 | 68 | 71 | 95.8 | 95.8 |
| U1 | | 6.1 | | | | 26.7 | | | | 26.8 | | | | 7.6 | | | | 82 | | |
| X1 | 5.4 | 5.4 | 100.0 | 110.2 | 26.6 | 25.9 | 102.7 | 102.7 | 27.3 | 26.6 | 102.6 | 103.0 | 8.7 | 8.6 | 101.2 | 110.1 | 67 | 67 | 100.0 | 94.4 |
| Y1 | 4.2 | 4.3 | 97.7 | 85.7 | 25.8 | 25.6 | 100.8 | 99.6 | 26.8 | 26.6 | 100.8 | 101.1 | 7.6 | 7.8 | 97.4 | 96.2 | 75 | 71 | 105.6 | 105.6 |
| Z1 | | 4.4 | | | | 26.3 | | | | 27.2 | | | | 7.6 | | | | 68 | | |
| C2 | 5.7 | 5.6 | 101.8 | 116.3 | 26.0 | 26.0 | 100.0 | 100.4 | 26.1 | 26.1 | 100.0 | 98.5 | 7.5 | 7.6 | 98.7 | 94.9 | 73 | 71 | 102.8 | 102.8 |
| M2 | 6.4 | 6.3 | 101.6 | 130.6 | 26.0 | 26.0 | 100.0 | 100.4 | 26.1 | 26.1 | 100.0 | 98.5 | 7.7 | 7.1 | 108.4 | 97.5 | 64 | 64 | 100.0 | 90.1 |
| K2 | 3.4 | 3.8 | 89.5 | 69.4 | 26.7 | 26.8 | 102.7 | 103.1 | 26.8 | 26.2 | 102.3 | 101.1 | 8.4 | 8.0 | 105.0 | 106.3 | 77 | 76 | 101.3 | 108.4 |
| R2 | | 4.5 | | | | 25.4 | | | | 26.2 | | | | 7.8 | | | | 69 | | |
| W2 | 5.0 | 5.1 | 98.0 | 102.0 | 25.8 | 25.8 | 100.0 | 99.6 | 26.6 | 26.6 | 100.0 | 100.4 | 7.8 | 8.0 | 97.5 | 98.7 | 74 | 69 | 107.2 | 104.2 |
| K3 | | 6.3 | | | | 26.2 | | | | 26.3 | | | | 7.8 | | | | 63 | | |
| M3 | 3.0 | 3.2 | 93.8 | 61.2 | 26.7 | 26.8 | 99.6 | 103.1 | 28.1 | 28.2 | 99.6 | 106.0 | 8.3 | 7.8 | 106.4 | 105.1 | 74 | 75 | 98.7 | 104.2 |
| P3 | 5.8 | 5.8 | 100.0 | 118.4 | 26.0 | 26.0 | 100.0 | 100.4 | 26.1 | 26.2 | 99.6 | 98.5 | 7.7 | 7.4 | 104.0 | 97.5 | 63 | 62 | 101.6 | 88.7 |
| Q3 | 4.3 | 4.2 | 102.4 | 87.8 | 25.3 | 25.1 | 100.8 | 97.7 | 26.3 | 26.1 | 100.8 | 99.2 | 8.6 | 8.5 | 101.2 | 108.9 | 76 | 77 | 98.7 | 107.0 |
| R3 | 5.3 | 5.2 | 101.9 | 108.2 | 27.0 | 27.5 | 98.2 | 104.2 | 27.1 | 27.6 | 98.2 | 102.3 | 8.0 | 7.9 | 101.3 | 101.3 | 75 | 70 | 107.1 | 105.6 |
| S3 | 5.7 | 5.4 | 105.6 | 116.3 | 25.8 | 25.7 | 100.4 | 99.6 | 26.4 | 26.3 | 100.4 | 99.6 | 7.6 | 7.6 | 100.0 | 96.2 | 79 | 76 | 103.9 | 111.3 |
| X3 | 4.5 | 5.0 | 90.0 | 91.8 | 25.1 | 25.2 | 99.6 | 96.9 | 26.0 | 25.9 | 100.4 | 98.1 | 8.0 | 7.5 | 106.7 | 101.3 | 66 | 71 | 93.0 | 93.0 |
| Y3 | 6.0 | 5.9 | 101.7 | 122.4 | 26.3 | 26.1 | 100.8 | 101.5 | 26.8 | 26.6 | 100.8 | 101.1 | 7.4 | 7.7 | 96.1 | 93.7 | 64 | 65 | 98.5 | 90.1 |
| D4 | | 6.3 | | | | 26.1 | | | | 26.2 | | | | 7.8 | | | | 79 | | |
| E4 | | 5.3 | | | | 25.7 | | | | 26.4 | | | | 8.6 | | | | 75 | | |
| G4 | 5.6 | 4.5 | 124.4 | 114.3 | 26.1 | 26.4 | 98.9 | 100.8 | 26.2 | 26.5 | 98.9 | 98.9 | 7.8 | 7.6 | 102.6 | 98.7 | 67 | 67 | 100.0 | 94.4 |
| K4 | | 5.3 | | | | 25.8 | | | | 26.5 | | | | 7.6 | | | | 71 | | |
| L4 | | 1.7 | | | | 25.1 | | | | 26.8 | | | | 8.1 | | | | 70 | | |
| N4 | 5.4 | 5.4 | 100.0 | 110.2 | 24.6 | 25.5 | 96.5 | 95.0 | 25.2 | 26.2 | 96.2 | 95.1 | 7.6 | 8.4 | 90.5 | 96.2 | 72 | 74 | 97.3 | 101.4 |
| T4 | | 4.8 | | | | 25.9 | | | | 26.7 | | | | 7.7 | | | | 77 | | |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.1 | | | | 26.0 | | | | 26.5 | | | | 7.9 | | | | 71 | | | |
| CUM. AV. | 4.9 | | | | 25.9 | | | | 26.5 | | | | 7.9 | | | | 71 | | | |
| IND. *D | 104.1 | | | | 100.4 | | | | 100.0 | | | | 100.0 | | | | 100.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT.,*A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | | 3.4 | | | | 26.0 | | | | 27.3 | | | | 7.2 | | | | 80 | | |
| E1 | | 5.0 | | | | 26.1 | | | | 26.2 | | | | 8.0 | | | | 71 | | |
| I1 | 4.7 | 4.8 | 97.9 | 95.9 | 26.1 | 26.2 | 99.6 | 100.8 | 26.2 | 26.3 | 99.6 | 98.9 | 8.0 | 8.0 | 100.0 | 101.3 | 68 | 78 | 87.2 | 95.8 |
| T1 | 5.4 | 5.3 | 101.9 | 110.2 | 26.0 | 26.1 | 99.6 | 100.4 | 26.1 | 26.2 | 99.6 | 98.5 | 8.2 | 7.7 | 106.5 | 103.8 | 67 | 71 | 94.4 | 94.4 |
| U1 | | 6.1 | | | | 26.7 | | | | 26.8 | | | | 7.6 | | | | 82 | | |
| X1 | 5.4 | 5.4 | 100.0 | 110.2 | 26.7 | 26.0 | 102.7 | 103.1 | 27.4 | 26.7 | 102.6 | 103.4 | 8.8 | 8.7 | 101.1 | 111.4 | 67 | 67 | 100.0 | 94.4 |
| Y1 | 4.1 | 4.3 | 95.3 | 83.7 | 25.6 | 25.6 | 100.0 | 98.8 | 26.6 | 26.6 | 100.0 | 100.4 | 7.5 | 7.8 | 96.2 | 94.9 | 77 | 72 | 106.9 | 108.4 |
| Z1 | | 4.7 | | | | 26.4 | | | | 27.3 | | | | 7.9 | | | | 69 | | |
| A2 | 5.5 | | | 112.2 | 26.0 | | | 100.4 | 26.1 | | | 98.5 | 8.1 | | | 102.5 | 76 | | | 107.0 |
| C2 | 5.9 | 5.6 | 105.4 | 120.4 | 26.0 | 26.0 | 100.0 | 100.4 | 26.1 | 26.1 | 100.0 | 98.5 | 7.6 | 7.6 | 100.0 | 96.2 | 74 | 71 | 104.2 | 104.2 |
| H2 | 6.2 | 6.4 | 96.9 | 126.5 | 26.0 | 26.0 | 100.0 | 100.4 | 26.1 | 26.1 | 100.0 | 98.5 | 8.0 | 7.2 | 111.1 | 101.3 | 62 | 64 | 96.9 | 87.3 |
| K2 | 3.3 | 3.7 | 89.2 | 67.3 | 26.4 | 26.1 | 101.1 | 101.9 | 26.5 | 26.2 | 101.1 | 100.0 | 8.5 | 8.0 | 106.2 | 107.6 | 76 | 76 | 100.0 | 107.0 |
| R2 | | 4.5 | | | | 25.4 | | | | 26.2 | | | | 7.8 | | | | 69 | | |
| V2 | 5.2 | 5.1 | 102.0 | 106.1 | 25.8 | 25.8 | 100.0 | 99.6 | 26.5 | 26.6 | 99.6 | 100.0 | 7.6 | 8.0 | 95.0 | 96.2 | 75 | 70 | 107.1 | 105.6 |
| K3 | | 6.3 | | | | 26.3 | | | | 26.4 | | | | 7.8 | | | | 63 | | |
| M3 | 3.3 | 3.2 | 103.1 | 67.3 | 26.6 | 26.8 | 99.2 | 102.7 | 27.9 | 28.1 | 99.3 | 105.3 | 7.6 | 7.9 | 96.2 | 96.2 | 75 | 76 | 98.7 | 105.6 |
| P3 | 5.8 | 5.8 | 100.0 | 118.4 | 26.1 | 26.0 | 100.4 | 100.8 | 26.2 | 26.1 | 100.4 | 98.9 | 7.7 | 7.4 | 104.0 | 97.5 | 64 | 62 | 103.2 | 90.1 |
| Q3 | | 4.2 | | | | 25.1 | | | | 26.1 | | | | 8.5 | | | | 77 | | |
| R3 | | 5.2 | | | | 27.4 | | | | 27.4 | | | | 8.0 | | | | 71 | | |
| S3 | 5.5 | 5.5 | 100.0 | 112.2 | 25.7 | 25.7 | 100.0 | 99.2 | 26.3 | 26.3 | 100.0 | 99.2 | 7.6 | 7.6 | 100.0 | 96.2 | 80 | 76 | 105.3 | 112.7 |
| X3 | 4.9 | 4.9 | 100.0 | 100.0 | 25.0 | 25.2 | 99.2 | 96.5 | 25.8 | 26.0 | 99.2 | 97.4 | 8.0 | 7.6 | 105.3 | 101.3 | 67 | 70 | 95.7 | 94.4 |
| Y3 | 5.9 | 6.0 | 98.3 | 120.4 | 26.2 | 26.2 | 100.0 | 101.2 | 26.8 | 26.6 | 100.8 | 101.1 | 7.5 | 7.6 | 98.7 | 94.9 | 63 | 65 | 96.9 | 88.7 |
| D4 | | 6.3 | | | | 26.1 | | | | 26.2 | | | | 7.8 | | | | 79 | | |
| G4 | 5.0 | 4.6 | 108.7 | 102.0 | 26.2 | 26.3 | 99.6 | 101.2 | 26.3 | 26.4 | 99.6 | 99.2 | 7.6 | 7.6 | 100.0 | 96.2 | 68 | 67 | 101.5 | 95.8 |
| K4 | | 5.3 | | | | 25.8 | | | | 26.5 | | | | 7.6 | | | | 71 | | |
| L4 | | 1.6 | | | | 25.1 | | | | 26.7 | | | | 8.1 | | | | 69 | | |
| N4 | 5.6 | 5.4 | 103.7 | 114.3 | 26.0 | 25.4 | 102.4 | 100.4 | 26.6 | 26.1 | 101.9 | 100.4 | 8.4 | 8.3 | 101.2 | 106.3 | 81 | 73 | 111.0 | 114.1 |
| T4 | | 4.8 | | | | 25.9 | | | | 26.7 | | | | 7.7 | | | | 77 | | |
| V4 | 6.1 | | | 124.5 | 28.3 | | | 109.3 | 28.4 | | | 107.2 | 8.9 | | | 112.6 | 91 | | | 126.2 |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.2 | | | | 26.2 | | | | 26.6 | | | | 8.0 | | | | 72 | | | |
| CUM. AV. | 4.9 | | | | 25.9 | | | | 26.5 | | | | 7.9 | | | | 71 | | | |
| IND. *D | 106.1 | | | | 101.2 | | | | 100.4 | | | | 101.3 | | | | 101.4 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | | 3.4 | | | | 26.0 | | | | 27.3 | | | | 7.2 | | | | 90 | | |
| E1 | | 5.1 | | | | 26.1 | | | | 26.2 | | | | 8.0 | | | | 71 | | |
| I1 | 4.7 | 4.8 | 97.9 | 95.9 | 26.2 | 26.2 | 100.0 | 100.8 | 26.3 | 26.3 | 100.0 | 99.2 | 8.1 | 8.0 | 101.2 | 102.5 | 76 | 77 | 98.7 | 105.6 |
| T1 | 5.5 | 5.3 | 103.8 | 112.2 | 26.1 | 26.1 | 100.0 | 100.4 | 26.2 | 26.2 | 100.0 | 98.9 | 8.0 | 7.9 | 102.6 | 101.3 | 68 | 71 | 95.8 | 94.4 |
| U1 | | 6.1 | | | | 26.7 | | | | 26.8 | | | | 7.6 | | | | 82 | | |
| X1 | 5.4 | 5.4 | 100.0 | 110.2 | 26.3 | 26.0 | 101.2 | 101.2 | 27.0 | 26.7 | 101.1 | 101.9 | 8.4 | 8.7 | 96.6 | 106.3 | 71 | 67 | 106.0 | 98.6 |
| Y1 | 4.1 | 4.3 | 95.3 | 83.7 | 25.6 | 25.6 | 100.0 | 98.5 | 26.6 | 26.6 | 100.0 | 100.4 | 7.6 | 7.8 | 97.4 | 96.2 | 77 | 72 | 106.9 | 106.9 |
| Z1 | | 4.7 | | | | 26.4 | | | | 27.3 | | | | 7.9 | | | | 69 | | |
| A2 | 6.0 | 5.5 | 109.1 | 122.4 | 26.5 | 26.0 | 101.9 | 101.9 | 26.6 | 26.1 | 101.9 | 100.6 | 8.4 | 8.1 | 103.7 | 106.3 | 77 | 76 | 101.3 | 106.9 |
| C2 | 6.3 | 5.6 | 112.5 | 128.6 | 26.0 | 26.0 | 100.0 | 100.0 | 26.1 | 26.1 | 100.0 | 98.5 | 7.6 | 7.6 | 100.0 | 96.2 | 71 | 72 | 98.6 | 98.6 |
| H2 | | 6.3 | | | | 26.0 | | | | 26.1 | | | | 7.5 | | | | 64 | | |
| K2 | 3.2 | 3.6 | 88.9 | 65.3 | 26.8 | 26.1 | 102.7 | 103.1 | 26.9 | 26.2 | 102.7 | 101.5 | 8.1 | 8.1 | 100.0 | 102.5 | 77 | 76 | 101.3 | 106.9 |
| R2 | | 4.5 | | | | 25.3 | | | | 26.2 | | | | 7.3 | | | | 68 | | |
| V2 | 5.0 | 5.1 | 98.0 | 102.0 | 25.9 | 25.8 | 100.4 | 99.6 | 26.7 | 26.6 | 100.4 | 100.8 | 8.1 | 7.9 | 102.5 | 102.5 | 73 | 70 | 104.3 | 101.4 |
| K3 | | 6.1 | | | | 26.4 | | | | 26.5 | | | | 7.9 | | | | 63 | | |
| M3 | 3.6 | 3.3 | 109.1 | 73.5 | 25.9 | 26.7 | 97.0 | 99.6 | 27.1 | 28.0 | 96.8 | 102.3 | 7.8 | 8.0 | 97.5 | 98.7 | 70 | 76 | 92.1 | 97.2 |
| P3 | 6.4 | 5.8 | 110.3 | 130.6 | 26.1 | 26.0 | 100.4 | 100.4 | 26.2 | 26.2 | 100.0 | 98.9 | 7.9 | 7.5 | 105.3 | 100.0 | 65 | 62 | 104.8 | 90.3 |
| Q3 | | 4.2 | | | | 25.0 | | | | 26.0 | | | | 8.5 | | | | 76 | | |
| R3 | 4.9 | 5.2 | 94.2 | 100.0 | 26.7 | 27.4 | 97.4 | 102.7 | 26.8 | 27.4 | 97.8 | 101.1 | 8.2 | 8.0 | 102.5 | 103.8 | 75 | 71 | 105.6 | 104.2 |
| S3 | 5.2 | 5.5 | 94.5 | 106.1 | 25.6 | 25.7 | 99.6 | 98.5 | 26.3 | 26.3 | 100.0 | 99.2 | 7.8 | 7.6 | 102.6 | 98.7 | 76 | 76 | 100.0 | 105.6 |
| X3 | | 4.9 | | | | 25.1 | | | | 25.9 | | | | 7.6 | | | | 69 | | |
| Y3 | 5.7 | 6.0 | 95.0 | 116.3 | 26.1 | 26.2 | 99.6 | 100.4 | 26.7 | 26.6 | 100.4 | 100.8 | 7.3 | 7.6 | 96.0 | 92.4 | 69 | 64 | 107.8 | 95.8 |
| D4 | | 6.3 | | | | 26.1 | | | | 26.2 | | | | 7.8 | | | | 79 | | |
| G4 | 4.5 | 4.6 | 97.8 | 91.8 | 26.4 | 26.3 | 100.4 | 101.5 | 26.5 | 26.4 | 100.4 | 100.0 | 7.9 | 7.6 | 103.9 | 100.0 | 66 | 67 | 98.5 | 91.7 |
| K4 | | 5.3 | | | | 25.8 | | | | 26.5 | | | | 7.6 | | | | 71 | | |
| L4 | | 1.6 | | | | 25.1 | | | | 26.7 | | | | 8.1 | | | | 69 | | |
| N4 | 5.5 | 5.4 | 101.8 | 112.2 | 25.7 | 25.5 | 100.8 | 98.8 | 26.3 | 26.2 | 100.4 | 99.2 | 8.4 | 8.4 | 100.0 | 106.3 | 76 | 74 | 102.7 | 105.6 |
| T4 | | 4.8 | | | | 25.9 | | | | 26.7 | | | | 7.7 | | | | 77 | | |
| V4 | | 6.1 | | | | 28.3 | | | | 28.4 | | | | 8.9 | | | | 91 | | |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.1 | | | | 26.1 | | | | 26.6 | | | | 8.0 | | | | 72 | | | |
| CUM. AV. | 4.9 | | | | 26.0 | | | | 26.5 | | | | 7.9 | | | | 72 | | | |
| IND. *D | 104.1 | | | | 100.4 | | | | 100.4 | | | | 101.3 | | | | 100.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

| | APRIL, 1982 | | | | MAY, 1982 | | | | JUNE, 1982 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | | | | | | | | | | | | |
| E1 | | | | | | | | | | | | |
| I1 | 43.0 | | | | 45.0 | 43.0 | 104.6 | 122.3 | 45.3 | 44.0 | 102.3 | 126.4 |
| T1 | | | | | | | | | | | | |
| U1 | | | | | | | | | | | | |
| X1 | 32.0 | | | | 30.0 | 32.0 | 93.8 | 81.5 | 40.0 | 31.0 | 129.0 | 112.4 |
| Y1 | 36.0 | | | | 35.0 | 36.0 | 97.2 | 95.1 | 33.0 | 35.5 | 93.0 | 92.7 |
| Z1 | | | | | | | | | | | | |
| A2 | | | | | 37.0 | | | 100.5 | 37.0 | 37.0 | 100.0 | 103.9 |
| C2 | 31.0 | | | | 31.0 | 31.0 | 100.0 | 84.2 | 31.0 | 31.0 | 100.0 | 87.1 |
| H2 | | | | | | | | | | | | |
| K2 | 36.0 | | | | 35.0 | 36.0 | 97.2 | 95.1 | 39.0 | 35.5 | 109.8 | 109.6 |
| R2 | | | | | | | | | | | | |
| V2 | | | | | | | | | | | | |
| K3 | | | | | | | | | | | | |
| M3 | 42.0 | | | | 41.0 | 42.0 | 97.6 | 111.4 | 40.0 | 41.5 | 96.4 | 112.4 |
| P3 | | | | | | | | | | | | |
| Q3 | 49.0 | | | | | 49.0 | | | | 49.0 | | |
| R3 | 37.0 | | | | | 37.0 | | | 37.4 | 37.0 | 101.1 | 105.0 |
| S3 | | | | | | | | | | | | |
| X3 | 25.0 | | | | | 25.0 | | | | 25.0 | | |
| Y3 | | | | | | | | | | | | |
| D4 | | | | | | | | | | | | |
| E4 | | | | | | | | | | | | |
| G4 | | | | | | | | | | | | |
| K4 | | | | | | | | | | | | |
| L4 | | | | | | | | | | | | |
| N4 | | | | | | | | | | | | |
| T4 | | | | | | | | | | | | |
| V4 | | | | | 21.0 | | | 57.1 | | 21.0 | | |
| FKBG DATA | | | | | | | | | | | | |
| CUR. AV. | 36.8 | | | | 34.4 | | | | 37.9 | | | |
| CUM. AV. | | | | | 36.8 | | | | 35.5 | | | |
| IND. *D | | | | | 93.5 | | | | 106.2 | | | |

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT.,*A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 4.1 | 4.2 | 97.6 | 83.7 | 32.7 | 32.4 | 100.9 | 100.3 | 34.0 | 33.8 | 100.6 | 101.8 | 8.9 | 8.8 | 101.1 | 90.8 | 98 | 101 | 97.0 | 114.0 |
| E1 | | 5.5 | | | | 33.0 | | | | 33.2 | | | | 9.8 | | | | 86 | | |
| I1 | 5.0 | 5.0 | 100.0 | 102.0 | 33.3 | 33.2 | 100.3 | 102.1 | 33.4 | 33.2 | 100.6 | 100.0 | 10.2 | 9.9 | 103.0 | 104.1 | 87 | 93 | 93.5 | 101.2 |
| T1 | 5.9 | 5.5 | 107.3 | 120.4 | 33.1 | 33.1 | 100.0 | 101.5 | 33.3 | 33.3 | 100.0 | 99.7 | 9.9 | 9.9 | 100.0 | 101.0 | 84 | 84 | 100.0 | 97.7 |
| H1 | 2.2 | 2.4 | 91.7 | 44.9 | 32.2 | 32.1 | 100.3 | 98.8 | 34.2 | 34.0 | 100.6 | 102.4 | 9.4 | 10.1 | 93.1 | 95.9 | 85 | 83 | 102.4 | 98.8 |
| X1 | 5.4 | 5.4 | 100.0 | 110.2 | 32.5 | 32.3 | 100.6 | 99.7 | 33.3 | 33.1 | 100.6 | 99.7 | 10.3 | 10.4 | 99.0 | 105.1 | 76 | 78 | 97.4 | 88.4 |
| Y1 | 4.6 | 4.8 | 95.8 | 93.9 | 32.6 | 32.4 | 100.6 | 100.8 | 33.7 | 33.5 | 100.6 | 100.9 | 9.5 | 9.8 | 96.9 | 96.9 | 93 | 87 | 106.9 | 108.1 |
| Z1 | 4.9 | 5.1 | 96.1 | 100.0 | 32.6 | 32.6 | 100.0 | 100.0 | 33.6 | 33.5 | 100.3 | 100.6 | 9.6 | 9.2 | 104.3 | 98.0 | 81 | 81 | 100.0 | 94.2 |
| C2 | 6.2 | 6.1 | 101.6 | 126.5 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.1 | 100.3 | 99.4 | 9.3 | 9.5 | 97.9 | 94.9 | 85 | 84 | 101.2 | 98.8 |
| F2 | 6.0 | 6.0 | 100.0 | 122.4 | 33.0 | 33.1 | 99.7 | 101.2 | 33.1 | 33.2 | 99.7 | 99.1 | | | | | 80 | 84 | 95.2 | 93.0 |
| H2 | | 6.5 | | | | 33.0 | | | | 33.1 | | | | 9.4 | | | | 88 | | |
| K2 | 4.4 | 6.0 | 73.3 | 89.8 | 33.5 | 32.8 | 102.1 | 102.8 | 33.6 | 32.9 | 102.1 | 100.6 | 10.5 | 10.2 | 102.9 | 107.1 | 91 | 88 | 103.4 | 105.8 |
| R2 | 5.0 | 5.3 | 94.3 | 102.0 | 32.3 | 32.6 | 99.7 | 99.1 | 33.3 | 33.2 | 100.3 | 99.7 | 10.1 | 9.8 | 103.1 | 103.1 | 82 | 82 | 100.0 | 95.3 |
| V2 | 5.2 | 5.2 | 100.0 | 106.1 | 32.6 | 32.6 | 100.0 | 100.0 | 33.5 | 33.5 | 100.0 | 100.3 | 10.2 | 9.9 | 103.0 | 104.1 | 85 | 78 | 109.0 | 98.8 |
| Y2 | 2.5 | 2.8 | 89.3 | 51.0 | 32.7 | 32.6 | 100.9 | 100.3 | 34.6 | 34.1 | 101.5 | 103.6 | 8.1 | 9.5 | 85.3 | 82.6 | 88 | 86 | 102.3 | 102.3 |
| D3 | 5.7 | 6.0 | 95.0 | 116.3 | 32.4 | 32.5 | 99.7 | 99.4 | 33.1 | 33.2 | 99.7 | 99.1 | 9.6 | 9.5 | 101.0 | 98.0 | 88 | 88 | 100.0 | 102.3 |
| K3 | 6.1 | 6.3 | 96.8 | 124.5 | 32.9 | 33.0 | 99.7 | 100.9 | 33.0 | 33.1 | 99.7 | 98.8 | 9.0 | 9.2 | 97.8 | 91.8 | 86 | 86 | 100.0 | 100.0 |
| M3 | 3.6 | 3.5 | 102.8 | 73.5 | 32.0 | 32.3 | 99.1 | 98.2 | 33.5 | 33.8 | 99.1 | 100.3 | 9.1 | 9.5 | 95.8 | 92.8 | 86 | 86 | 100.0 | 100.0 |
| P3 | 6.1 | 6.4 | 95.3 | 124.5 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.1 | 100.3 | 99.4 | 9.8 | 10.5 | 93.3 | 100.0 | 84 | 84 | 100.0 | 97.7 |
| Q3 | 5.1 | 5.2 | 98.1 | 104.1 | 32.3 | 32.3 | 100.0 | 99.1 | 33.2 | 33.2 | 100.0 | 99.4 | 10.7 | 10.8 | 99.1 | 109.2 | 88 | 91 | 96.7 | 102.3 |
| R3 | 5.0 | 5.2 | 96.2 | 102.0 | 33.1 | 33.4 | 99.1 | 101.5 | 33.2 | 33.5 | 99.1 | 99.6 | 9.7 | 9.4 | 103.2 | 99.0 | 86 | 88 | 97.7 | 100.0 |
| S3 | 6.1 | 5.8 | 105.2 | 124.5 | 32.7 | 32.7 | 100.0 | 100.3 | 33.3 | 33.4 | 99.7 | 99.7 | 10.3 | 9.8 | 105.1 | 105.1 | 94 | 91 | 103.3 | 105.3 |
| X3 | 5.2 | 5.3 | 98.1 | 106.1 | 32.1 | 32.0 | 100.3 | 98.5 | 33.0 | 32.8 | 100.6 | 98.8 | 10.8 | 9.6 | 112.5 | 110.2 | 83 | 87 | 95.4 | 96.5 |
| V3 | 5.8 | 5.9 | 98.3 | 118.4 | 33.0 | 33.0 | 100.0 | 101.2 | 33.7 | 33.6 | 100.3 | 100.9 | 9.5 | 9.7 | 97.9 | 96.9 | 78 | 79 | 98.7 | 90.7 |
| E4 | | 5.4 | | | | 32.3 | | | | 33.2 | | | | 10.1 | | | | 92 | | |
| F4 | 2.6 | 2.4 | 108.3 | 53.1 | 32.1 | 32.3 | 99.4 | 98.5 | 33.9 | 34.2 | 99.1 | 101.5 | 9.6 | 10.5 | 91.4 | 98.0 | 84 | 84 | 100.0 | 97.7 |
| G4 | 5.8 | 4.9 | 118.4 | 118.4 | 33.0 | 33.2 | 99.4 | 101.2 | 33.1 | 33.3 | 99.4 | 99.1 | 10.0 | 9.7 | 103.1 | 102.0 | 82 | 80 | 102.5 | 95.3 |
| I4 | 3.6 | 3.4 | 105.9 | 73.5 | 32.6 | 32.7 | 99.7 | 100.0 | 32.9 | 33.0 | 99.7 | 98.5 | 10.3 | 10.0 | 103.0 | 105.1 | 83 | 82 | 101.2 | 96.5 |
| J4 | | 5.0 | | | | 32.6 | | | | 33.6 | | | | 9.4 | | | | 84 | | |
| K4 | 5.1 | 5.2 | 98.1 | 104.1 | 32.4 | 32.4 | 100.0 | 99.4 | 33.3 | 33.3 | 100.0 | 99.7 | 9.4 | 9.6 | 97.9 | 95.9 | 86 | 88 | 97.7 | 100.0 |
| L4 | | 2.3 | | | | 31.8 | | | | 33.8 | | | | 9.7 | | | | 84 | | |
| N4 | 5.1 | 5.3 | 96.2 | 104.1 | 32.4 | 32.4 | 100.0 | 99.4 | 33.3 | 33.2 | 100.3 | 99.7 | 10.1 | 9.8 | 103.1 | 103.1 | 96 | 91 | 105.5 | 111.6 |
| T4 | | 4.4 | | | | 32.2 | | | | 33.4 | | | | 9.2 | | | | 96 | | |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 4.9 | | | | 32.7 | | | | 33.4 | | | | 9.8 | | | | 86 | | | |
| CUM. AV. | 4.9 | | | | 32.6 | | | | 33.4 | | | | 9.8 | | | | 86 | | | |
| IND. *D | 100.0 | | | | 100.3 | | | | 100.0 | | | | 100.0 | | | | 100.0 | | | |

NOTE - NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 4.4 | 4.1 | 107.3 | 89.8 | 32.8 | 32.5 | 100.9 | 100.6 | 34.0 | 33.8 | 100.6 | 101.8 | 8.7 | 8.9 | 97.8 | 88.8 | 92 | 100 | 92.0 | 107.0 |
| E1 | 5.3 | 5.5 | 96.4 | 108.2 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.1 | 100.3 | 99.4 | 8.9 | 9.8 | 90.8 | 90.8 | 88 | 86 | 102.3 | 102.3 |
| I1 | 4.9 | 5.0 | 98.0 | 100.0 | 33.2 | 33.2 | 100.0 | 101.8 | 33.3 | 33.3 | 100.0 | 99.7 | 10.0 | 9.9 | 101.0 | 102.0 | 85 | 53 | 91.4 | 98.8 |
| T1 | 5.8 | 5.6 | 103.6 | 118.4 | 33.1 | 33.2 | 99.7 | 101.5 | 33.3 | 33.4 | 99.7 | 99.7 | 9.7 | 9.9 | 98.0 | 99.0 | 81 | 84 | 96.4 | 94.2 |
| W1 | 2.2 | 2.4 | 91.7 | 44.9 | 32.2 | 32.1 | 100.3 | 98.8 | 34.2 | 34.0 | 100.6 | 102.4 | 9.6 | 10.0 | 96.0 | 98.0 | 82 | 84 | 97.6 | 95.3 |
| X1 | 5.3 | 5.4 | 98.1 | 108.2 | 32.7 | 32.3 | 101.2 | 100.3 | 33.6 | 33.2 | 101.2 | 100.6 | 10.2 | 10.4 | 98.1 | 104.1 | 78 | 79 | 98.7 | 98.7 |
| Y1 | 4.8 | 4.7 | 102.1 | 98.0 | 32.5 | 32.4 | 100.3 | 99.7 | 33.6 | 33.5 | 100.3 | 100.6 | 9.3 | 9.8 | 94.9 | 94.9 | 96 | 88 | 105.1 | 111.6 |
| Z1 | 5.0 | 5.1 | 98.0 | 102.0 | 32.7 | 32.6 | 100.3 | 100.3 | 33.7 | 33.5 | 100.6 | 100.9 | 9.7 | 9.2 | 105.4 | 99.0 | 83 | 81 | 102.5 | 96.5 |
| A2 | 5.7 | | | 116.3 | 33.0 | | | 101.2 | 33.1 | | | 99.1 | 9.7 | | | 99.0 | 97 | | | 112.8 |
| C2 | 6.2 | 6.1 | 101.6 | 126.5 | 33.0 | 33.0 | 100.0 | 101.2 | 33.1 | 33.1 | 100.0 | 99.1 | 9.4 | 9.4 | 100.0 | 95.9 | 85 | 84 | 101.2 | 98.8 |
| F2 | 6.2 | 5.9 | 105.1 | 126.5 | 33.3 | 33.1 | 100.6 | 102.1 | 33.4 | 33.2 | 100.6 | 100.0 | | | | | 80 | 83 | 96.4 | 93.0 |
| H2 | | 6.5 | | | | 33.0 | | | | 33.1 | | | | 9.4 | | | | 88 | | |
| K2 | | 5.4 | | | | 33.0 | | | | 33.1 | | | | 10.3 | | | | 89 | | |
| R2 | 5.4 | 5.3 | 101.9 | 110.2 | 32.5 | 32.4 | 100.3 | 99.7 | 33.3 | 33.2 | 100.3 | 99.7 | 10.2 | 9.8 | 104.1 | 104.1 | 84 | 82 | 102.4 | 97.7 |
| V2 | 5.3 | 5.2 | 101.9 | 108.2 | 32.5 | 32.6 | 99.7 | 99.7 | 33.4 | 33.5 | 99.7 | 100.0 | 10.2 | 9.9 | 103.0 | 104.1 | 82 | 79 | 103.8 | 95.3 |
| Y2 | 2.0 | 2.8 | 71.4 | 40.8 | 32.1 | 32.5 | 98.8 | 98.5 | 34.1 | 34.2 | 99.7 | 102.1 | 9.0 | 9.2 | 97.8 | 91.8 | 84 | 86 | 97.7 | 97.7 |
| C3 | 4.3 | | | 87.8 | 32.3 | | | 99.1 | 33.5 | | | 100.3 | 9.4 | | | 95.9 | 96 | | | 111.6 |
| D3 | 5.3 | 5.9 | 89.8 | 108.2 | 32.4 | 32.5 | 99.7 | 99.4 | 33.3 | 33.2 | 100.3 | 99.7 | 9.2 | 9.5 | 96.8 | 93.9 | 90 | 88 | 102.3 | 104.6 |
| K3 | 5.7 | 6.3 | 90.5 | 116.3 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.1 | 100.3 | 99.4 | 10.1 | 9.2 | 109.8 | 103.1 | 86 | 86 | 100.0 | 100.0 |
| M3 | 3.7 | 3.6 | 102.8 | 75.5 | 32.0 | 32.2 | 99.4 | 98.2 | 33.4 | 33.7 | 99.1 | 100.0 | 9.2 | 9.4 | 97.9 | 93.9 | 85 | 86 | 98.8 | 98.8 |
| P3 | 5.9 | 6.2 | 95.2 | 120.4 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.2 | 100.0 | 99.4 | 10.1 | 10.2 | 99.0 | 103.1 | 84 | 84 | 100.0 | 97.7 |
| Q3 | 5.2 | 5.2 | 100.0 | 106.1 | 32.9 | 32.3 | 101.8 | 100.9 | 33.8 | 33.2 | 101.8 | 101.2 | 10.6 | 10.8 | 98.1 | 108.2 | 94 | 90 | 104.4 | 109.3 |
| R3 | | 5.2 | | | | 33.4 | | | | 33.5 | | | | 9.4 | | | | 88 | | |
| S3 | 5.8 | 5.9 | 98.3 | 118.4 | 32.6 | 32.7 | 99.7 | 100.0 | 33.3 | 33.4 | 99.7 | 99.7 | 9.8 | 9.8 | 100.0 | 100.0 | 95 | 91 | 104.4 | 110.5 |
| X3 | 5.1 | 5.3 | 96.2 | 104.1 | 31.5 | 32.0 | 98.4 | 96.6 | 32.4 | 32.9 | 98.5 | 97.0 | 10.0 | 9.8 | 102.0 | 102.0 | 88 | 86 | 102.3 | 102.3 |
| Y3 | 5.8 | 5.9 | 98.3 | 118.4 | 33.1 | 32.9 | 100.6 | 101.5 | 33.8 | 33.6 | 100.6 | 101.2 | 9.3 | 9.6 | 96.9 | 94.9 | 78 | 79 | 98.7 | 90.7 |
| F4 | | 2.4 | | | | 32.3 | | | | 34.2 | | | | 10.4 | | | | 84 | | |
| G4 | 5.6 | 5.0 | 112.0 | 114.3 | 33.2 | 33.2 | 100.0 | 101.8 | 33.3 | 33.2 | 100.3 | 99.7 | 10.0 | 9.7 | 103.1 | 102.0 | 81 | 80 | 101.2 | 94.2 |
| I4 | 4.0 | 3.5 | 114.3 | 81.6 | 32.7 | 32.7 | 100.0 | 100.3 | 33.0 | 33.0 | 100.0 | 98.8 | 10.5 | 10.0 | 105.0 | 107.1 | 75 | 83 | 91.6 | 88.4 |
| J4 | | 5.0 | | | | 32.6 | | | | 33.6 | | | | 9.4 | | | | 84 | | |
| K4 | | 5.3 | | | | 32.4 | | | | 33.3 | | | | 9.6 | | | | 88 | | |
| L4 | | 2.2 | | | | 31.9 | | | | 33.8 | | | | 9.7 | | | | 84 | | |
| N4 | 5.5 | 5.3 | 103.8 | 112.2 | 32.9 | 32.4 | 101.5 | 100.9 | 33.7 | 33.2 | 101.5 | 100.9 | 9.5 | 9.8 | 96.9 | 96.9 | 95 | 91 | 104.4 | 110.5 |
| T4 | | 4.4 | | | | 32.2 | | | | 33.4 | | | | 9.2 | | | | 96 | | |

FKBG DATA

| | | | | |
|---|---|---|---|---|
| CUR. AV. | 5.0 | 32.7 | 33.4 | 9.7 | 86 |
| CUM. AV. | 4.9 | 32.6 | 33.4 | 9.8 | 86 |
| IND. *D | 102.0 | 100.3 | 100.0 | 99.0 | 100.0 |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., #A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. #B | IND. #C | CUR. AV. | CUM. AV. | FACT. #B | IND. #C | CUR. AV. | CUM. AV. | FACT. #B | IND. #C | CUR. AV. | CUM. AV. | FACT. #B | IND. #C | CUR. AV. | CUM. AV. | FACT. #B | IND. #C |
| C1 | 5.0 | 4.2 | 119.0 | 102.0 | 33.2 | 32.6 | 101.8 | 101.8 | 34.2 | 33.8 | 101.2 | 102.4 | 9.4 | 8.8 | 106.8 | 95.9 | 96 | 99 | 97.0 | 111.6 |
| E1 | 5.2 | 5.6 | 92.8 | 106.1 | 33.0 | 33.0 | 100.0 | 101.2 | 33.1 | 33.1 | 100.0 | 99.1 | 9.7 | 9.8 | 99.0 | 99.0 | 85 | 86 | 98.8 | 98.8 |
| I1 | 4.8 | 5.0 | 96.0 | 98.0 | 33.2 | 33.2 | 100.0 | 101.8 | 33.3 | 33.3 | 100.0 | 99.7 | 10.1 | 9.9 | 102.0 | 103.1 | 93 | 92 | 101.1 | 108.1 |
| T1 | 6.0 | 5.6 | 107.1 | 122.4 | 33.1 | 33.2 | 99.7 | 101.5 | 33.3 | 33.4 | 99.7 | 99.7 | 9.8 | 9.9 | 99.0 | 100.0 | 80 | 84 | 95.2 | 93.0 |
| W1 | 2.1 | 2.4 | 87.5 | 42.8 | 32.1 | 32.1 | 100.0 | 98.5 | 34.1 | 34.1 | 100.0 | 102.1 | 9.5 | 9.9 | 96.0 | 96.9 | 81 | 83 | 97.6 | 94.2 |
| X1 | 5.4 | 5.4 | 100.0 | 110.2 | 32.3 | 32.4 | 99.7 | 99.1 | 33.1 | 33.2 | 99.7 | 99.1 | 10.1 | 10.4 | 97.1 | 103.1 | 81 | 78 | 103.8 | 94.2 |
| Y1 | 4.6 | 4.7 | 97.9 | 93.9 | 32.5 | 32.4 | 100.3 | 99.7 | 33.6 | 33.5 | 100.3 | 100.6 | 9.2 | 9.7 | 94.8 | 93.9 | 92 | 88 | 104.5 | 107.0 |
| Z1 | 5.1 | 5.1 | 100.0 | 104.1 | 32.7 | 32.6 | 100.3 | 100.3 | 33.6 | 33.6 | 100.0 | 100.6 | 9.7 | 9.3 | 104.3 | 99.0 | 82 | 81 | 101.2 | 95.3 |
| A2 | 5.2 | 5.7 | 91.2 | 106.1 | 32.9 | 33.0 | 99.7 | 100.9 | 33.0 | 33.1 | 99.7 | 98.8 | 10.0 | 9.7 | 103.1 | 102.0 | 93 | 97 | 95.9 | 108.1 |
| C2 | 5.9 | 6.1 | 96.7 | 120.4 | 33.0 | 33.0 | 100.0 | 101.2 | 33.1 | 33.1 | 100.0 | 99.1 | 9.5 | 9.4 | 101.1 | 96.9 | 87 | 84 | 103.6 | 101.2 |
| F2 | | 6.0 | | | | 33.1 | | | | 33.2 | | | | | | | | 83 | | |
| H2 | | 6.5 | | | | 33.0 | | | | 33.1 | | | | 9.3 | | | | 87 | | |
| K2 | 5.5 | 5.4 | 101.8 | 112.2 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.1 | 100.3 | 99.4 | 10.2 | 10.3 | 99.0 | 104.1 | 89 | 89 | 100.0 | 103.5 |
| R2 | 5.3 | 5.3 | 100.0 | 108.2 | 32.3 | 32.4 | 99.7 | 99.1 | 33.2 | 33.2 | 100.0 | 99.4 | 9.6 | 9.9 | 97.0 | 98.0 | 88 | 82 | 107.3 | 102.3 |
| V2 | 5.3 | 5.2 | 101.9 | 108.2 | 32.7 | 32.6 | 100.3 | 100.3 | 33.6 | 33.6 | 100.0 | 100.6 | 10.3 | 9.9 | 104.0 | 105.1 | 81 | 75 | 102.5 | 94.2 |
| Y2 | 2.1 | 2.7 | 77.8 | 42.8 | 32.5 | 32.4 | 100.3 | 99.7 | 34.5 | 34.2 | 100.9 | 103.3 | 9.0 | 9.0 | 100.0 | 91.8 | 85 | 86 | 98.8 | 98.8 |
| C3 | | 4.3 | | | | 32.3 | | | | 33.5 | | | | 9.4 | | | | 96 | | |
| D3 | 4.6 | 5.8 | 79.3 | 93.9 | 32.2 | 32.5 | 99.1 | 98.8 | 33.3 | 33.2 | 100.3 | 99.7 | 9.4 | 9.5 | 98.9 | 95.9 | 97 | 88 | 110.2 | 112.8 |
| K3 | 6.2 | 6.2 | 100.0 | 126.5 | 33.1 | 33.0 | 100.3 | 101.5 | 33.2 | 33.1 | 100.3 | 99.4 | 8.3 | 9.3 | 89.2 | 84.7 | 87 | 86 | 101.2 | 101.2 |
| M3 | 3.9 | 3.6 | 108.3 | 79.6 | 32.1 | 32.1 | 100.0 | 98.5 | 33.4 | 33.6 | 99.4 | 100.0 | 9.8 | 9.5 | 103.2 | 100.0 | 86 | 86 | 100.0 | 100.0 |
| P3 | 6.6 | 6.1 | 108.2 | 134.7 | 33.1 | 33.1 | 100.0 | 101.5 | 33.2 | 33.2 | 100.0 | 99.4 | 10.3 | 10.1 | 102.0 | 105.1 | 85 | 84 | 101.2 | 98.8 |
| Q3 | 5.1 | 5.2 | 98.1 | 104.1 | 32.1 | 32.3 | 99.4 | 98.5 | 33.0 | 33.2 | 99.4 | 98.8 | 10.9 | 10.8 | 100.9 | 111.2 | 89 | 90 | 98.9 | 103.5 |
| R3 | 5.1 | 5.2 | 98.1 | 104.1 | 33.3 | 33.4 | 99.7 | 102.1 | 33.4 | 33.5 | 99.7 | 100.0 | 9.2 | 9.4 | 97.9 | 93.9 | 93 | 88 | 105.7 | 108.1 |
| S3 | 5.2 | 5.9 | 88.1 | 106.1 | 32.5 | 32.7 | 99.4 | 99.7 | 33.4 | 33.4 | 100.0 | 100.0 | 10.1 | 9.9 | 102.0 | 103.1 | 86 | 92 | 93.5 | 100.0 |
| X3 | 5.0 | 5.2 | 96.2 | 102.0 | 31.6 | 32.0 | 98.8 | 96.9 | 32.5 | 32.9 | 98.8 | 97.3 | 9.8 | 9.8 | 100.0 | 100.0 | 84 | 86 | 97.7 | 97.7 |
| Y3 | 5.8 | 5.9 | 98.3 | 118.4 | 32.9 | 32.9 | 100.0 | 100.9 | 33.6 | 33.6 | 100.0 | 100.6 | 9.0 | 9.6 | 93.8 | 91.8 | 79 | 79 | 100.0 | 91.9 |
| F4 | | 2.4 | | | | 32.2 | | | | 34.1 | | | | 10.4 | | | | 94 | | |
| G4 | 5.2 | 5.0 | 104.0 | 106.1 | 33.4 | 33.2 | 100.6 | 102.4 | 33.5 | 33.2 | 100.9 | 100.3 | 10.0 | 9.8 | 102.0 | 102.0 | 80 | 80 | 100.0 | 93.0 |
| I4 | 3.8 | 3.5 | 108.6 | 77.6 | 32.6 | 32.8 | 99.4 | 100.0 | 32.9 | 33.1 | 99.4 | 98.5 | 9.7 | 10.1 | 96.0 | 99.0 | 79 | 82 | 96.3 | 91.9 |
| J4 | | 5.0 | | | | 32.6 | | | | 33.6 | | | | 9.4 | | | | 84 | | |
| K4 | | 5.3 | | | | 32.4 | | | | 33.3 | | | | 9.6 | | | | 88 | | |
| L4 | | 2.2 | | | | 31.9 | | | | 33.8 | | | | 9.7 | | | | 85 | | |
| N4 | 5.5 | 5.3 | 103.8 | 112.2 | 32.6 | 32.4 | 100.6 | 100.0 | 33.4 | 33.3 | 100.3 | 100.0 | 9.6 | 9.8 | 98.0 | 98.0 | 96 | 91 | 105.5 | 111.6 |
| T4 | | 4.4 | | | | 32.2 | | | | 33.4 | | | | 9.2 | | | | 96 | | |

FKBG DATA

| | | | | |
|---|---|---|---|---|
| CUR. AV. | 5.0 | 32.7 | 33.4 | 9.7 | 87 |
| CUM. AV. | 4.9 | 32.6 | 33.4 | 9.8 | 86 |
| IND. #D | 102.0 | 100.3 | 100.0 | 99.0 | 101.2 |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

| | APRIL, 1982 | | | | MAY, 1982 | | | | JUNE, 1982 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 53.0 | | | | 46.0 | 53.0 | 90.6 | 98.0 | 51.0 | 50.5 | 101.0 | 103.6 |
| E1 | | | | | 44.0 | | | 89.8 | 44.0 | 44.0 | 100.0 | 89.4 |
| I1 | 54.0 | | | | 59.0 | 54.0 | 109.2 | 120.4 | 57.0 | 56.5 | 100.9 | 115.8 |
| T1 | | | | | | | | | | | | |
| W1 | | | | | | | | | | | | |
| X1 | 37.0 | | | | 35.0 | 37.0 | 94.6 | 71.4 | 41.0 | 35.0 | 113.9 | 83.3 |
| Y1 | 50.0 | | | | 52.0 | 50.0 | 104.0 | 106.1 | 51.0 | 51.0 | 100.0 | 103.6 |
| Z1 | | | | | | | | | | | | |
| A2 | | | | | 53.0 | | | 108.2 | 53.0 | 53.0 | 100.0 | 107.7 |
| C2 | 41.0 | | | | 42.0 | 41.0 | 102.4 | 85.7 | 41.0 | 41.5 | 98.8 | 83.3 |
| F2 | 55.0 | | | | 55.0 | 55.0 | 100.0 | 112.2 | | 55.0 | | |
| H2 | | | | | | | | | | | | |
| K2 | 54.0 | | | | | 54.0 | | | 48.3 | 54.0 | 88.9 | 97.6 |
| R2 | | | | | | | | | | | | |
| V2 | | | | | | | | | | | | |
| Y2 | | | | | | | | | | | | |
| C3 | | | | | | | | | | | | |
| D3 | | | | | | | | | | | | |
| K3 | | | | | | | | | | | | |
| M3 | 50.0 | | | | 49.0 | 50.0 | 98.0 | 100.0 | 51.0 | 49.5 | 103.0 | 103.6 |
| P3 | | | | | | | | | | | | |
| Q3 | 56.0 | | | | 65.0 | 56.0 | 116.1 | 132.6 | 44.0 | 60.5 | 72.7 | 89.4 |
| R3 | 52.1 | | | | | 52.1 | | | 47.1 | 52.1 | 90.4 | 95.7 |
| S3 | | | | | | | | | | | | |
| X3 | 44.1 | | | | | 44.1 | | | 45.4 | 44.1 | 112.0 | 100.4 |
| Y3 | | | | | | | | | | | | |
| E4 | | | | | | | | | | | | |
| F4 | | | | | | | | | | | | |
| G4 | | | | | | | | | | | | |
| I4 | 42.0 | | | | 42.0 | 42.0 | 100.0 | 85.7 | 41.0 | 42.0 | 97.6 | 83.3 |
| J4 | | | | | | | | | | | | |
| K4 | | | | | | | | | | | | |
| L4 | | | | | | | | | | | | |
| N4 | | | | | | | | | | | | |
| T4 | | | | | | | | | | | | |
| FKBG DATA | | | | | | | | | | | | |
| CUR. AV. | 49.0 | | | | 49.4 | | | | 47.5 | | | |
| CUM. AV. | | | | | 49.0 | | | | 49.2 | | | |
| IND. *D | | | | | 100.8 | | | | 96.7 | | | |

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., LB / M SQ FT *A | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 5.5 | 5.5 | 100.0 | 101.8 | 38.0 | 37.7 | 100.8 | 100.5 | 39.0 | 38.6 | 101.0 | 101.6 | 10.5 | 10.2 | 102.9 | 96.3 | 104 | 106 | 98.1 | 106.1 |
| E1 | 5.9 | 5.9 | 100.0 | 109.2 | 38.1 | 38.1 | 100.0 | 100.8 | 38.2 | 38.2 | 100.0 | 99.5 | 10.8 | 10.9 | 99.1 | 99.1 | 93 | 96 | 96.5 | 94.9 |
| H1 | 5.1 | 5.1 | 100.0 | 94.4 | 37.5 | 37.4 | 100.3 | 99.2 | 38.6 | 38.5 | 100.2 | 100.5 | 10.1 | 10.5 | 96.2 | 92.7 | 106 | 98 | 108.2 | 108.2 |
| I1 | 5.1 | 5.3 | 96.2 | 94.4 | 38.3 | 38.2 | 100.3 | 101.3 | 38.4 | 38.4 | 100.0 | 100.0 | 11.1 | 11.1 | 100.0 | 101.8 | 95 | 102 | 93.1 | 96.9 |
| K1 | 5.5 | 5.7 | 96.5 | 101.8 | 37.4 | 37.4 | 100.0 | 98.9 | 38.3 | 38.3 | 100.0 | 99.7 | 10.7 | 10.9 | 98.2 | 98.2 | 91 | 94 | 96.8 | 92.8 |
| T1 | 6.1 | 6.0 | 101.7 | 113.0 | 38.0 | 38.0 | 100.0 | 100.5 | 38.2 | 38.2 | 100.0 | 99.5 | 11.3 | 11.1 | 101.8 | 103.7 | 95 | 95 | 100.0 | 96.9 |
| U1 | 5.9 | 5.4 | 109.2 | 109.2 | 38.1 | 38.6 | 98.7 | 100.8 | 38.2 | 38.8 | 98.6 | 99.5 | 10.9 | 10.9 | 100.0 | 100.0 | 98 | 97 | 101.0 | 100.0 |
| W1 | | 4.6 | | | | 37.3 | | | | 38.6 | | | | | | | | 96 | | |
| Y1 | 5.1 | 5.2 | 98.1 | 94.4 | 37.5 | 37.4 | 100.3 | 99.2 | 38.6 | 38.5 | 100.2 | 100.5 | 11.1 | 11.3 | 98.2 | 101.8 | 101 | 97 | 104.1 | 103.1 |
| A2 | 5.8 | 5.7 | 101.8 | 107.4 | 38.0 | 38.1 | 99.7 | 100.5 | 38.1 | 38.2 | 99.7 | 99.2 | 11.0 | 12.2 | 90.2 | 100.9 | 115 | 100 | 115.0 | 117.3 |
| C2 | | 6.3 | | | | 37.9 | | | | 38.0 | | | | 10.6 | | | | 95 | | |
| F2 | 6.2 | 5.9 | 105.1 | 114.8 | 38.2 | 38.1 | 100.3 | 101.0 | 38.3 | 38.2 | 100.3 | 99.7 | | | | | 95 | 92 | 103.3 | 96.9 |
| K2 | 6.0 | 5.6 | 107.1 | 111.1 | 38.4 | 38.0 | 101.0 | 101.6 | 38.5 | 38.1 | 101.0 | 100.3 | 11.4 | 11.3 | 100.9 | 104.6 | 100 | 101 | 99.0 | 102.0 |
| V2 | | 5.3 | | | | 37.5 | | | | 38.6 | | | | 11.2 | | | | 91 | | |
| Y2 | | 4.1 | | | | 37.7 | | | | 39.2 | | | | 11.0 | | | | 97 | | |
| B3 | | 4.8 | | | | 38.3 | | | | 39.6 | | | | 10.1 | | | | 94 | | |
| C3 | | 5.4 | | | | 37.5 | | | | 38.4 | | | | 10.5 | | | | 100 | | |
| E3 | | 4.8 | | | | 37.7 | | | | 38.9 | | | | 11.5 | | | | 113 | | |
| H3 | 4.7 | 4.8 | 97.9 | 87.0 | 37.1 | 37.4 | 99.2 | 98.1 | 38.4 | 38.6 | 99.5 | 100.0 | 10.1 | 9.8 | 103.1 | 92.7 | 90 | 94 | 95.7 | 91.8 |
| Q3 | 6.0 | 6.1 | 98.4 | 111.1 | 37.5 | 37.4 | 100.3 | 99.2 | 38.2 | 38.1 | 100.3 | 99.5 | 10.9 | 10.9 | 100.0 | 100.0 | 100 | 104 | 96.2 | 102.0 |
| R3 | 5.5 | 5.4 | 101.8 | 101.8 | 38.4 | 38.4 | 100.0 | 101.6 | 38.5 | 38.5 | 100.0 | 100.3 | 10.5 | 10.3 | 101.9 | 96.3 | 101 | 97 | 104.1 | 103.1 |
| X3 | | 5.7 | | | | 37.0 | | | | 37.8 | | | | 11.5 | | | | 98 | | |
| E4 | | 5.2 | | | | 37.1 | | | | 38.1 | | | | 11.8 | | | | 106 | | |
| F4 | | 4.7 | | | | 37.6 | | | | 39.0 | | | | 12.0 | | | | 96 | | |
| G4 | 5.9 | 5.3 | 111.3 | 109.2 | 38.1 | 38.5 | 99.0 | 100.8 | 38.2 | 38.6 | 99.0 | 99.5 | 10.8 | 10.7 | 100.9 | 99.1 | 97 | 94 | 103.2 | 99.0 |
| H4 | 5.7 | 5.6 | 101.8 | 105.6 | 38.2 | 38.2 | 100.0 | 101.0 | 38.5 | 38.5 | 100.0 | 100.3 | 11.6 | 11.1 | 104.5 | 106.4 | 98 | 98 | 100.0 | 100.0 |
| J4 | | 5.7 | | | | 37.6 | | | | 38.5 | | | | 10.2 | | | | 100 | | |
| K4 | 5.4 | 5.2 | 103.8 | 100.0 | 37.5 | 37.3 | 100.5 | 99.2 | 38.5 | 38.4 | 100.3 | 100.3 | 11.2 | 11.1 | 100.9 | 102.8 | 96 | 98 | 98.0 | 98.0 |
| N4 | 4.9 | 5.6 | 87.5 | 90.7 | 36.7 | 37.3 | 98.4 | 97.1 | 37.8 | 38.2 | 99.0 | 98.4 | 10.8 | 11.6 | 93.1 | 99.1 | 103 | 100 | 103.0 | 105.1 |
| Q4 | 6.3 | 5.4 | 116.7 | 116.7 | 38.5 | 38.9 | 99.0 | 101.8 | 38.6 | 39.0 | 99.0 | 100.5 | 10.9 | 10.6 | 102.8 | 100.0 | 96 | 95 | 101.0 | 98.0 |
| T4 | | 4.7 | | | | 37.2 | | | | 38.4 | | | | 10.4 | | | | 107 | | |
| FXBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.6 | | | | 37.9 | | | | 38.4 | | | | 10.9 | | | | 99 | | | |
| CUM. AV. | 5.4 | | | | 37.8 | | | | 38.4 | | | | 10.9 | | | | 98 | | | |
| IND. *D | 103.7 | | | | 100.3 | | | | 100.0 | | | | 100.0 | | | | 101.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 6.2 | 5.4 | 114.8 | 114.8 | 37.5 | 37.7 | 99.5 | 99.2 | 38.1 | 38.6 | 98.7 | 99.2 | 10.5 | 10.2 | 102.9 | 96.3 | 99 | 105 | 94.3 | 101.0 |
| E1 | 5.7 | 5.9 | 96.6 | 105.6 | 38.1 | 38.1 | 100.0 | 100.8 | 38.2 | 38.2 | 100.0 | 99.5 | 10.3 | 10.9 | 94.5 | 94.5 | 98 | 96 | 102.1 | 100.0 |
| H1 | 4.7 | 5.1 | 92.2 | 87.0 | 37.5 | 37.4 | 100.3 | 99.2 | 38.8 | 38.5 | 100.8 | 101.0 | 10.1 | 10.5 | 96.2 | 92.7 | 106 | 99 | 107.1 | 108.2 |
| I1 | 5.2 | 5.2 | 100.0 | 96.3 | 38.2 | 38.3 | 99.7 | 101.0 | 38.3 | 38.4 | 99.7 | 99.7 | 11.3 | 11.1 | 101.8 | 103.7 | 97 | 101 | 96.0 | 95.0 |
| K1 | 5.4 | 5.6 | 96.4 | 100.0 | 37.8 | 37.4 | 101.1 | 100.0 | 38.8 | 38.3 | 101.3 | 101.0 | 11.1 | 10.8 | 102.8 | 101.8 | 94 | 94 | 100.0 | 95.9 |
| T1 | 6.2 | 6.0 | 103.3 | 114.8 | 38.1 | 38.0 | 100.3 | 100.8 | 38.3 | 38.2 | 100.3 | 99.7 | 11.6 | 11.2 | 103.6 | 106.4 | 93 | 95 | 97.9 | 94.9 |
| U1 | | 5.5 | | | | 38.6 | | | | 38.8 | | | | 10.9 | | | | 97 | | |
| W1 | | 4.6 | | | | 37.3 | | | | 38.6 | | | | | | | | 96 | | |
| Y1 | 5.2 | 5.2 | 100.0 | 96.3 | 37.4 | 37.4 | 100.0 | 98.9 | 38.4 | 38.5 | 99.7 | 100.0 | 11.0 | 11.2 | 98.2 | 100.9 | 106 | 97 | 109.3 | 108.2 |
| A2 | 5.5 | 5.7 | 96.5 | 101.8 | 37.9 | 38.1 | 99.5 | 100.3 | 38.0 | 38.2 | 99.5 | 99.0 | 11.3 | 12.1 | 93.4 | 103.7 | 110 | 102 | 107.8 | 112.2 |
| C2 | | 6.3 | | | | 37.9 | | | | 38.0 | | | | 10.6 | | | | 95 | | |
| F2 | 6.2 | 6.0 | 103.3 | 114.8 | 38.0 | 38.1 | 99.7 | 100.5 | 38.1 | 38.2 | 99.7 | 99.2 | | | | | 94 | 92 | 102.2 | 95.9 |
| K2 | | 5.6 | | | | 38.1 | | | | 38.2 | | | | 11.3 | | | | 101 | | |
| V2 | 5.4 | 5.3 | 101.9 | 100.0 | 37.4 | 37.6 | 99.5 | 98.9 | 38.4 | 38.6 | 99.5 | 100.0 | 11.2 | 11.2 | 100.0 | 102.8 | 91 | 91 | 100.0 | 92.8 |
| Y2 | 4.3 | 4.1 | 104.9 | 79.6 | 38.0 | 37.7 | 100.8 | 100.5 | 39.4 | 39.2 | 100.5 | 102.6 | 10.1 | 11.0 | 91.8 | 92.7 | 99 | 97 | 102.1 | 101.0 |
| B3 | | 4.8 | | | | 38.3 | | | | 39.6 | | | | 10.1 | | | | 94 | | |
| C3 | 4.6 | 5.4 | 85.2 | 85.2 | 37.3 | 37.5 | 99.5 | 98.7 | 38.6 | 38.5 | 100.2 | 100.5 | 10.6 | 10.5 | 101.0 | 97.2 | 108 | 98 | 110.2 | 110.2 |
| E3 | | 4.8 | | | | 37.7 | | | | 38.9 | | | | 11.5 | | | | 113 | | |
| M3 | 4.5 | 4.8 | 93.8 | 83.3 | 37.1 | 37.4 | 99.2 | 98.1 | 38.4 | 38.6 | 99.5 | 100.0 | 9.9 | 9.9 | 100.0 | 90.8 | 96 | 94 | 102.1 | 98.0 |
| Q3 | 6.4 | 6.0 | 106.7 | 118.5 | 37.6 | 37.4 | 100.5 | 99.5 | 38.2 | 38.1 | 100.3 | 99.5 | 10.9 | 10.9 | 100.0 | 100.0 | 99 | 103 | 96.1 | 101.0 |
| R3 | 5.8 | 5.4 | 107.4 | 107.4 | 38.3 | 38.4 | 99.7 | 101.3 | 38.4 | 38.5 | 99.7 | 100.0 | | 10.3 | | | 99 | 97 | 102.1 | 101.0 |
| X3 | | 5.8 | | | | 37.0 | | | | 37.8 | | | | 11.6 | | | | 97 | | |
| F4 | | 4.7 | | | | 37.6 | | | | 39.0 | | | | 12.0 | | | | 96 | | |
| G4 | 5.7 | 5.4 | 105.6 | 105.6 | 38.0 | 38.4 | 99.0 | 100.5 | 38.1 | 38.6 | 98.7 | 99.2 | 10.7 | 10.7 | 100.0 | 98.2 | 95 | 94 | 101.1 | 96.9 |
| H4 | 5.9 | 5.6 | 105.4 | 109.2 | 38.2 | 38.2 | 100.0 | 101.0 | 38.5 | 38.5 | 100.0 | 100.3 | 10.6 | 11.1 | 95.5 | 97.2 | 98 | 98 | 100.0 | 100.0 |
| J4 | | 5.7 | | | | 37.6 | | | | 38.5 | | | | 10.2 | | | | 100 | | |
| K4 | 5.5 | 5.2 | 105.8 | 101.8 | 37.3 | 37.3 | 100.0 | 98.7 | 38.2 | 38.4 | 99.5 | 99.5 | 11.0 | 11.1 | 99.1 | 100.9 | 102 | 97 | 105.2 | 104.1 |
| N4 | | 5.5 | | | | 37.2 | | | | 38.1 | | | | 11.5 | | | | 100 | | |
| Q4 | 5.5 | 5.4 | 101.8 | 101.8 | 38.3 | 38.9 | 98.4 | 101.3 | 38.4 | 39.0 | 98.5 | 100.0 | 10.2 | 10.7 | 95.3 | 93.6 | 94 | 95 | 98.9 | 95.9 |
| T4 | 4.5 | 4.7 | 95.7 | 83.3 | 37.7 | 37.2 | 101.3 | 99.7 | 39.1 | 38.4 | 101.8 | 101.8 | 10.5 | 10.3 | 101.9 | 96.3 | 109 | 108 | 100.9 | 111.2 |

FKBG DATA

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CUR. AV. | 5.4 | | | | 37.8 | | | | 38.4 | | | | 10.7 | | | | 99 | | | |
| CUM. AV. | 5.4 | | | | 37.8 | | | | 38.4 | | | | 10.9 | | | | 98 | | | |
| IND. *D | 100.0 | | | | 100.0 | | | | 100.0 | | | | 98.2 | | | | 101.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT.,*A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 5.6 | 5.5 | 101.8 | 103.7 | 37.7 | 37.6 | 100.3 | 99.7 | 38.6 | 38.6 | 100.0 | 100.5 | 10.9 | 10.2 | 106.9 | 100.9 | 93 | 105 | 88.6 | 94.9 |
| E1 | 6.0 | 5.9 | 101.7 | 111.1 | 38.1 | 38.1 | 100.0 | 100.8 | 38.2 | 38.2 | 100.0 | 99.5 | 10.3 | 10.8 | 95.4 | 95.4 | 98 | 96 | 102.1 | 100.0 |
| H1 | 4.9 | 5.0 | 98.0 | 90.7 | 37.4 | 37.4 | 100.0 | 98.9 | 38.6 | 38.6 | 100.0 | 100.5 | 10.2 | 10.4 | 98.1 | 94.4 | 96 | 100 | 96.0 | 98.0 |
| I1 | 5.2 | 5.2 | 100.0 | 96.3 | 38.1 | 38.3 | 99.5 | 100.8 | 38.2 | 38.4 | 99.5 | 99.5 | 11.4 | 11.1 | 102.7 | 105.6 | 101 | 101 | 100.0 | 103.1 |
| K1 | 5.8 | 5.6 | 103.6 | 107.4 | 38.3 | 37.4 | 102.4 | 101.3 | 38.1 | 38.3 | 102.1 | 101.8 | 11.0 | 10.8 | 101.8 | 101.8 | 94 | 94 | 100.0 | 95.9 |
| T1 | 6.1 | 6.0 | 101.7 | 113.0 | 38.0 | 38.0 | 100.0 | 100.5 | 38.2 | 38.2 | 100.0 | 99.5 | 11.3 | 11.2 | 100.9 | 104.6 | 93 | 95 | 97.9 | 94.9 |
| U1 | 5.7 | 5.5 | 103.6 | 105.6 | 38.1 | 38.7 | 98.4 | 100.8 | 38.2 | 38.8 | 98.4 | 99.5 | 10.8 | 10.9 | 99.1 | 100.0 | 98 | 97 | 101.0 | 100.0 |
| H1 | | 4.6 | | | | 37.3 | | | | 38.6 | | | | | | | | 96 | | |
| Y1 | 5.0 | 5.2 | 96.2 | 92.6 | 37.5 | 37.4 | 100.3 | 99.2 | 38.6 | 38.5 | 100.2 | 100.5 | 10.6 | 11.2 | 94.6 | 98.1 | 106 | 98 | 108.2 | 108.2 |
| A2 | 5.7 | 5.7 | 100.0 | 105.6 | 37.9 | 38.1 | 99.5 | 100.3 | 38.0 | 38.2 | 99.5 | 99.0 | 11.2 | 12.0 | 93.3 | 103.7 | 104 | 104 | 100.0 | 106.1 |
| C2 | | 6.3 | | | | 37.9 | | | | 38.0 | | | | 10.6 | | | | 95 | | |
| F2 | 6.2 | 6.0 | 103.3 | 114.8 | 38.0 | 38.1 | 99.7 | 100.5 | 38.1 | 38.2 | 99.7 | 99.2 | | | | | 90 | 92 | 97.8 | 91.8 |
| K2 | 5.8 | 5.6 | 103.6 | 107.4 | 38.3 | 38.1 | 100.5 | 101.3 | 38.4 | 38.2 | 100.5 | 100.0 | 11.4 | 11.3 | 100.9 | 105.6 | 102 | 101 | 101.0 | 104.1 |
| R2 | 5.5 | | | 101.8 | 37.3 | | | 98.7 | 38.2 | | | 99.5 | 11.0 | | | 101.8 | 97 | | | 99.0 |
| V2 | | 5.3 | | | | 37.6 | | | | 38.6 | | | | 11.2 | | | | 92 | | |
| Y2 | | 4.2 | | | | 37.7 | | | | 39.2 | | | | 10.8 | | | | 98 | | |
| B3 | | 4.8 | | | | 38.3 | | | | 39.6 | | | | 10.1 | | | | 94 | | |
| C3 | 5.1 | 5.3 | 96.2 | 94.4 | 38.8 | 37.5 | 103.5 | 102.6 | 38.9 | 38.5 | 103.6 | 103.9 | 10.5 | 10.5 | 100.0 | 97.2 | 99 | 99 | 100.0 | 101.0 |
| E3 | | 4.8 | | | | 37.7 | | | | 38.9 | | | | 11.5 | | | | 113 | | |
| H3 | 5.0 | 4.8 | 104.2 | 92.6 | 37.8 | 37.2 | 101.6 | 100.0 | 38.9 | 38.4 | 101.3 | 101.3 | | 9.9 | | | 97 | 94 | 103.2 | 99.0 |
| G3 | 6.1 | 6.0 | 101.7 | 113.0 | 37.5 | 37.4 | 100.3 | 99.2 | 38.2 | 38.2 | 100.0 | 99.5 | 10.6 | 10.9 | 97.2 | 98.1 | 99 | 102 | 97.0 | 101.0 |
| R3 | 6.0 | 5.5 | 109.1 | 111.1 | 38.5 | 38.4 | 100.3 | 101.8 | 38.6 | 38.5 | 100.2 | 100.5 | 10.1 | 10.4 | 97.1 | 93.5 | 101 | 97 | 104.1 | 103.1 |
| X3 | | 5.7 | | | | 37.0 | | | | 37.9 | | | | 11.7 | | | | 97 | | |
| F4 | | 4.7 | | | | 37.6 | | | | 39.0 | | | | 12.0 | | | | 96 | | |
| G4 | 5.2 | 5.4 | 96.3 | 96.3 | 38.3 | 38.4 | 99.7 | 101.3 | 38.4 | 38.5 | 99.7 | 100.0 | 10.6 | 10.7 | 99.1 | 98.1 | 94 | 95 | 98.9 | 95.9 |
| H4 | 5.7 | 5.6 | 101.8 | 105.6 | 38.2 | 38.2 | 100.0 | 101.0 | 38.5 | 38.5 | 100.0 | 100.3 | 10.5 | 11.1 | 94.6 | 97.2 | 95 | 98 | 96.9 | 96.9 |
| J4 | | 5.7 | | | | 37.6 | | | | 38.5 | | | | 10.2 | | | | 100 | | |
| K4 | 5.3 | 5.3 | 100.0 | 98.1 | 37.3 | 37.4 | 99.7 | 98.7 | 38.3 | 38.4 | 99.7 | 99.7 | 11.3 | 11.1 | 101.8 | 104.6 | 100 | 98 | 102.0 | 102.0 |
| N4 | | 5.5 | | | | 37.1 | | | | 38.0 | | | | 11.4 | | | | 102 | | |
| Q4 | 5.8 | 5.5 | 105.4 | 107.4 | 38.1 | 38.8 | 98.2 | 100.8 | 38.2 | 38.9 | 98.2 | 99.5 | 10.3 | 10.6 | 97.2 | 95.4 | 95 | 95 | 100.0 | 96.9 |
| T4 | 4.6 | 4.7 | 97.9 | 85.2 | 37.0 | 37.2 | 99.5 | 97.9 | 38.3 | 38.5 | 99.5 | 99.7 | 10.5 | 10.4 | 101.0 | 97.2 | 105 | 108 | 97.2 | 107.1 |
| FRBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.5 | | | | 37.9 | | | | 38.5 | | | | 10.8 | | | | 98 | | | |
| CUM. AV. | 5.4 | | | | 37.8 | | | | 38.4 | | | | 10.8 | | | | 98 | | | |
| IND. *D | 101.8 | | | | 100.3 | | | | 100.3 | | | | 100.0 | | | | 100.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

| | APRIL, 1982 | | | | MAY, 1982 | | | | JUNE, 1982 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| C1 | 57.0 | | | | 59.0 | 57.0 | 103.5 | 91.0 | 62.0 | 58.0 | 106.9 | 95.4 |
| E1 | 52.0 | | | | 55.0 | 52.0 | 105.8 | 84.9 | 55.0 | 53.5 | 102.8 | 84.6 |
| H1 | | | | | | | | | | | | |
| I1 | 59.0 | | | | 67.0 | 59.0 | 113.6 | 103.4 | 65.0 | 63.0 | 103.2 | 100.0 |
| K1 | | | | | | | | | | | | |
| T1 | | | | | | | | | | | | |
| U1 | 57.0 | | | | | 57.0 | | | 46.9 | 57.0 | 82.3 | 72.2 |
| W1 | | | | | | | | | | | | |
| Y1 | 62.0 | | | | 63.0 | 62.0 | 101.6 | 97.2 | 65.0 | 62.5 | 110.4 | 106.2 |
| A2 | 75.0 | | | | 64.0 | 75.0 | 85.3 | 98.8 | 65.0 | 69.5 | 93.5 | 100.0 |
| C2 | | | | | | | | | | | | |
| F2 | 64.0 | | | | 62.0 | 64.0 | 96.9 | 95.7 | 56.0 | 63.0 | 88.9 | 86.2 |
| K2 | 54.0 | | | | | 54.0 | | | 56.0 | 54.0 | 103.7 | 86.2 |
| R2 | | | | | | | | | | | | |
| V2 | | | | | | | | | | | | |
| Y2 | | | | | | | | | | | | |
| B3 | | | | | | | | | | | | |
| C3 | | | | | | | | | | | | |
| E3 | | | | | | | | | | | | |
| M3 | 55.0 | | | | 62.0 | 55.0 | 112.7 | 95.7 | | 58.5 | | |
| Q3 | 69.0 | | | | 67.0 | 69.0 | 97.1 | 103.4 | 48.0 | 68.0 | 70.6 | 73.9 |
| R3 | 64.5 | | | | 57.3 | 64.5 | 88.8 | 88.4 | 60.3 | 60.9 | 99.0 | 92.8 |
| X3 | | | | | | | | | | | | |
| E4 | | | | | | | | | | | | |
| F4 | | | | | | | | | | | | |
| G4 | 77.0 | | | | 72.0 | 77.0 | 93.5 | 111.1 | 84.0 | 74.5 | 112.8 | 129.2 |
| H4 | 87.3 | | | | 74.5 | 87.8 | 84.8 | 115.0 | 80.0 | 81.2 | 98.5 | 123.1 |
| J4 | | | | | | | | | | | | |
| K4 | | | | | | | | | | | | |
| N4 | | | | | | | | | | | | |
| Q4 | 74.0 | | | | 82.0 | 74.0 | 110.8 | 126.5 | 76.0 | 78.0 | 97.4 | 116.9 |
| T4 | | | | | 64.0 | | | 98.8 | 68.0 | 64.0 | 106.2 | 104.6 |
| FKBG DATA | | | | | | | | | | | | |
| CUR. AV. | 64.8 | | | | 65.3 | | | | 63.5 | | | |
| CUM. AV. | | | | | 64.8 | | | | 65.0 | | | |
| IND. *D | | | | | 100.8 | | | | 97.3 | | | |

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT.,*A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | 6.0 | 5.4 | 111.1 | 107.1 | 42.1 | 42.0 | 100.2 | 101.2 | 42.3 | 42.2 | 100.2 | 99.8 | 10.9 | 11.9 | 91.6 | 91.6 | 107 | 105 | 101.9 | 101.9 |
| C1 | 6.7 | 6.2 | 108.1 | 119.6 | 41.8 | 41.5 | 100.7 | 100.5 | 42.3 | 42.2 | 100.2 | 99.8 | 11.7 | 11.3 | 103.5 | 98.3 | 106 | 110 | 96.4 | 101.0 |
| E1 | 5.8 | 6.0 | 96.7 | 103.6 | 42.2 | 42.1 | 100.2 | 101.4 | 42.3 | 42.2 | 100.2 | 99.8 | 11.3 | 11.6 | 97.4 | 95.0 | 105 | 104 | 101.0 | 100.0 |
| H1 | 5.4 | 5.4 | 100.0 | 96.4 | 41.6 | 41.5 | 100.2 | 100.0 | 42.7 | 42.5 | 100.5 | 100.7 | 11.3 | 11.8 | 95.8 | 95.0 | 111 | 108 | 102.8 | 105.7 |
| I1 | 5.2 | 5.5 | 94.5 | 92.8 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 12.7 | 12.5 | 101.6 | 106.7 | 107 | 107 | 100.0 | 101.5 |
| K1 | 6.0 | 6.0 | 100.0 | 107.1 | 42.0 | 41.6 | 101.0 | 101.0 | 42.8 | 42.4 | 100.9 | 100.9 | 11.7 | 11.8 | 99.2 | 98.3 | 101 | 102 | 99.0 | 96.2 |
| M1 | 5.5 | 5.6 | 98.2 | 98.2 | 41.6 | 41.7 | 99.8 | 100.0 | 42.6 | 42.8 | 99.5 | 100.5 | 12.3 | 12.3 | 100.0 | 103.4 | 106 | 104 | 101.9 | 101.0 |
| N1 | | 6.0 | | | | 42.2 | | | | 42.6 | | | | 12.4 | | | | 102 | | |
| O1 | | 6.4 | | | | 42.6 | | | | 43.0 | | | | 12.3 | | | | 115 | | |
| T1 | 6.5 | 6.0 | 108.3 | 116.1 | 41.8 | 42.0 | 99.5 | 100.5 | 42.0 | 42.2 | 99.5 | 99.0 | 11.9 | 11.9 | 100.0 | 100.0 | 103 | 104 | 99.0 | 98.1 |
| U1 | 6.0 | 5.5 | 109.1 | 107.1 | 42.1 | 42.2 | 99.8 | 101.2 | 42.2 | 42.4 | 99.5 | 99.5 | 11.8 | 12.0 | 98.3 | 99.2 | 102 | 104 | 98.1 | 97.1 |
| W1 | 4.8 | 5.4 | 88.9 | 85.7 | 41.0 | 41.5 | 98.8 | 98.6 | 42.4 | 42.6 | 99.5 | 100.0 | 11.8 | 12.4 | 95.2 | 99.2 | 102 | 102 | 100.0 | 97.1 |
| X1 | 5.5 | 5.4 | 101.8 | 98.2 | 41.6 | 41.3 | 100.7 | 100.0 | 42.6 | 42.3 | 100.7 | 100.5 | 13.1 | 13.1 | 100.0 | 110.1 | 99 | 98 | 101.0 | 94.3 |
| Y1 | 5.5 | 5.4 | 101.8 | 98.2 | 41.4 | 41.4 | 100.0 | 99.5 | 42.4 | 42.5 | 99.8 | 100.0 | 12.2 | 12.3 | 99.2 | 102.5 | 108 | 105 | 102.8 | 102.8 |
| Z1 | 5.9 | 5.8 | 101.7 | 105.6 | 41.6 | 41.5 | 100.2 | 100.0 | 42.5 | 42.4 | 100.2 | 100.2 | 12.1 | 11.8 | 102.5 | 101.7 | 100 | 100 | 100.0 | 95.2 |
| A2 | 5.8 | 5.9 | 98.3 | 103.6 | 41.9 | 42.0 | 99.8 | 100.7 | 42.0 | 42.1 | 99.8 | 99.0 | 12.2 | 13.3 | 91.7 | 102.5 | 119 | 106 | 112.3 | 113.3 |
| C2 | | 6.5 | | | | 41.9 | | | | 42.0 | | | | 11.7 | | | | 106 | | |
| F2 | 6.2 | 6.0 | 103.3 | 110.7 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.0 | 99.3 | | | | | 102 | 102 | 100.0 | 97.1 |
| G2 | | 5.2 | | | | 41.4 | | | | 42.5 | | | | 11.2 | | | | 111 | | |
| H2 | 6.6 | 6.7 | 98.5 | 117.8 | 42.0 | 42.0 | 100.0 | 101.0 | 42.0 | 42.1 | 100.0 | 99.3 | 11.5 | 11.8 | 97.4 | 96.6 | 106 | 106 | 100.0 | 101.0 |
| K2 | 6.3 | 5.7 | 110.5 | 112.5 | 42.2 | 42.0 | 100.5 | 101.4 | 42.3 | 42.1 | 100.5 | 99.8 | 12.3 | 12.5 | 98.4 | 103.4 | 113 | 110 | 102.7 | 107.6 |
| L2 | 6.3 | 6.3 | 100.0 | 112.5 | 42.2 | 42.1 | 100.2 | 101.4 | 42.3 | 42.2 | 100.2 | 99.8 | 11.0 | 11.3 | 97.3 | 92.4 | 103 | 104 | 99.0 | 98.1 |
| R2 | 5.7 | 5.8 | 98.3 | 101.8 | 41.3 | 41.4 | 99.8 | 99.3 | 42.2 | 42.3 | 99.8 | 99.5 | 12.0 | 11.9 | 100.8 | 100.8 | 100 | 102 | 98.0 | 95.2 |
| S2 | 6.5 | 6.0 | 108.3 | 116.1 | 41.6 | 41.8 | 99.5 | 100.0 | 42.2 | 42.6 | 99.1 | 99.5 | 12.4 | 12.4 | 100.0 | 104.2 | 99 | 99 | 100.0 | 94.3 |
| V2 | 5.4 | 5.4 | 100.0 | 96.4 | 41.4 | 41.5 | 99.8 | 99.5 | 42.5 | 42.6 | 99.8 | 100.2 | 12.6 | 12.4 | 100.0 | 104.2 | 101 | 100 | 101.0 | 96.2 |
| Y2 | 4.4 | 4.5 | 97.8 | 78.6 | 41.5 | 41.2 | 100.7 | 99.8 | 43.0 | 42.7 | 100.7 | 101.4 | 10.3 | 12.0 | 85.8 | 86.6 | 103 | 104 | 99.0 | 98.1 |
| Z2 | 4.6 | 4.8 | 95.8 | 82.1 | 40.8 | 40.8 | 100.0 | 98.1 | 42.2 | 42.2 | 100.0 | 99.5 | 11.8 | 12.0 | 98.3 | 99.2 | 113 | 114 | 99.1 | 107.6 |
| A3 | 4.9 | 5.8 | 84.5 | 87.5 | 42.3 | 43.0 | 98.4 | 101.7 | 42.4 | 43.1 | 98.4 | 100.0 | 11.5 | 12.8 | 89.8 | 96.6 | 132 | 120 | 110.0 | 125.7 |
| B3 | 5.4 | 5.3 | 101.9 | 96.4 | 41.5 | 41.5 | 100.0 | 99.8 | 42.6 | 42.6 | 100.0 | 100.5 | 10.7 | 10.8 | 99.1 | 89.9 | 106 | 103 | 102.9 | 101.0 |
| C3 | 5.8 | 5.8 | 100.0 | 103.6 | 41.5 | 41.4 | 100.2 | 99.8 | 42.4 | 42.3 | 100.2 | 100.0 | 12.1 | 11.7 | 103.4 | 101.7 | 114 | 107 | 106.5 | 108.6 |
| D3 | 6.0 | 6.4 | 93.8 | 107.1 | 41.4 | 41.5 | 99.8 | 99.5 | 42.2 | 42.1 | 100.2 | 99.5 | 11.9 | 11.9 | 100.0 | 100.0 | 107 | 103 | 103.9 | 101.9 |
| E3 | 4.9 | 4.8 | 102.1 | 87.5 | 40.5 | 41.2 | 98.3 | 97.4 | 41.8 | 42.5 | 98.4 | 98.6 | 12.4 | 11.7 | 106.0 | 104.2 | 110 | 119 | 92.4 | 104.8 |
| I3 | 5.0 | 4.8 | 104.2 | 89.3 | 41.6 | 41.5 | 100.2 | 100.0 | 42.8 | 42.9 | 99.8 | 100.9 | 11.6 | 11.2 | 101.8 | 95.8 | 110 | 107 | 102.8 | 104.8 |
| K3 | 6.4 | 6.5 | 98.5 | 114.3 | 41.9 | 42.0 | 99.8 | 100.7 | 42.0 | 42.1 | 99.8 | 99.0 | 11.6 | 11.5 | 100.9 | 97.5 | 103 | 104 | 99.0 | 98.1 |
| M3 | 5.6 | 5.3 | 105.7 | 100.0 | 41.4 | 41.4 | 100.0 | 99.5 | 42.4 | 42.5 | 99.8 | 100.0 | 10.7 | 10.8 | 99.1 | 89.9 | 104 | 104 | 100.0 | 99.0 |
| O3 | | 6.1 | | | | 40.9 | | | | 41.6 | | | | 11.5 | | | | 112 | | |
| Q3 | 6.8 | 6.4 | 106.2 | 121.4 | 42.0 | 41.8 | 100.5 | 101.0 | 42.5 | 42.4 | 100.2 | 100.2 | 12.3 | 12.0 | 102.5 | 103.4 | 109 | 111 | 98.2 | 103.8 |
| R3 | 5.5 | 5.8 | 94.8 | 98.2 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 11.2 | 11.4 | 98.2 | 94.1 | 104 | 105 | 99.0 | 99.0 |
| X3 | 5.2 | 5.8 | 89.6 | 92.8 | 40.9 | 40.9 | 100.0 | 98.3 | 42.0 | 41.8 | 100.5 | 99.0 | 12.2 | 12.3 | 99.2 | 102.5 | 141 | 104 | 135.6 | 134.3 |
| E4 | | 5.3 | | | | 41.0 | | | | 42.2 | | | | 12.8 | | | | 108 | | |
| F4 | 5.0 | 5.4 | 92.6 | 89.3 | 41.5 | 41.4 | 100.2 | 99.8 | 42.7 | 42.5 | 100.5 | 100.7 | 12.6 | 13.6 | 94.0 | 105.9 | 103 | 102 | 101.0 | 98.1 |
| G4 | | 5.6 | | | | 42.2 | | | | 42.3 | | | | 12.0 | | | | 104 | | |
| H4 | 5.8 | 5.7 | 101.8 | 103.6 | 42.2 | 42.2 | 100.0 | 101.4 | 42.6 | 42.6 | 100.0 | 100.5 | 12.5 | 12.0 | 104.2 | 105.0 | 105 | 107 | 98.1 | 100.0 |
| I4 | 4.5 | 4.0 | 112.5 | 80.4 | 41.5 | 41.7 | 99.5 | 99.8 | 41.9 | 42.1 | 99.5 | 98.8 | 13.0 | 13.0 | 100.0 | 109.2 | 103 | 102 | 101.0 | 98.1 |
| J4 | 5.8 | 5.9 | 98.3 | 103.6 | 41.6 | 41.5 | 100.2 | 100.0 | 42.5 | 42.3 | 100.5 | 100.2 | 11.6 | 11.4 | 101.8 | 97.5 | 105 | 103 | 101.9 | 100.0 |
| K4 | 5.9 | 5.6 | 105.4 | 105.4 | 41.4 | 41.4 | 100.0 | 99.5 | 42.3 | 42.4 | 99.8 | 99.8 | 12.3 | 12.3 | 100.0 | 103.4 | 104 | 104 | 100.0 | 95.0 |
| L4 | | 3.1 | | | | 40.9 | | | | 43.0 | | | | 11.6 | | | | 108 | | |
| Q4 | 6.1 | 5.5 | 110.9 | 108.9 | 42.4 | 42.5 | 99.8 | 101.9 | 42.5 | 42.6 | 99.8 | 100.2 | 11.8 | 11.7 | 100.8 | 99.2 | 103 | 104 | 99.0 | 98.1 |
| T4 | 4.3 | 4.7 | 91.5 | 76.8 | 41.2 | 41.1 | 100.2 | 99.0 | 42.8 | 42.5 | 100.7 | 100.9 | 11.4 | 11.7 | 97.4 | 95.8 | 115 | 113 | 101.8 | 109.5 |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.6 | | | | 41.7 | | | | 42.4 | | | | 11.8 | | | | 107 | | | |
| CUM. AV. | 5.6 | | | | 41.6 | | | | 42.4 | | | | 11.9 | | | | 105 | | | |
| IND. *D | 100.0 | | | | 100.2 | | | | 100.0 | | | | 99.2 | | | | 101.9 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | 6.0 | 5.4 | 111.1 | 107.1 | 42.1 | 42.0 | 100.2 | 101.2 | 42.3 | 42.2 | 100.2 | 99.8 | 11.0 | 11.8 | 93.2 | 92.4 | 105 | 105 | 100.0 | 100.0 |
| C1 | 6.6 | 6.2 | 106.4 | 117.8 | 41.7 | 41.5 | 100.5 | 100.2 | 42.2 | 42.2 | 100.0 | 99.5 | 11.6 | 11.4 | 101.8 | 97.5 | 107 | 109 | 98.2 | 101.9 |
| E1 | 5.8 | 5.9 | 98.3 | 103.6 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 11.4 | 11.5 | 99.1 | 95.8 | 105 | 104 | 101.0 | 100.0 |
| H1 | 5.1 | 5.4 | 94.4 | 91.1 | 41.3 | 41.5 | 99.5 | 99.3 | 42.5 | 42.6 | 99.8 | 100.2 | 11.4 | 11.8 | 96.6 | 95.8 | 117 | 108 | 108.3 | 111.4 |
| I1 | 5.4 | 5.5 | 98.2 | 96.4 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 12.8 | 12.5 | 102.4 | 107.6 | 106 | 107 | 99.1 | 101.0 |
| K1 | 5.9 | 6.0 | 98.3 | 105.4 | 41.9 | 41.7 | 100.5 | 100.7 | 42.8 | 42.5 | 100.7 | 100.9 | 11.9 | 11.7 | 101.7 | 100.0 | 103 | 102 | 101.0 | 98.1 |
| M1 | 5.6 | 5.6 | 100.0 | 100.0 | 41.5 | 41.7 | 99.5 | 99.8 | 42.5 | 42.7 | 99.5 | 100.2 | 12.0 | 12.2 | 98.4 | 100.8 | 107 | 104 | 102.9 | 101.9 |
| N1 | | 6.0 | | | | 42.2 | | | | 42.6 | | | | 12.4 | | | | 102 | | |
| O1 | | 6.5 | | | | 43.0 | | | | 43.4 | | | | 12.4 | | | | 124 | | |
| T1 | 6.3 | 6.0 | 105.0 | 112.5 | 42.0 | 42.0 | 100.0 | 101.0 | 42.2 | 42.2 | 100.0 | 99.5 | 12.1 | 11.9 | 101.7 | 101.7 | 104 | 104 | 100.0 | 99.0 |
| U1 | 5.6 | 5.6 | 100.0 | 100.0 | 42.1 | 42.2 | 99.8 | 101.2 | 42.2 | 42.3 | 99.8 | 99.5 | 11.6 | 12.0 | 96.7 | 97.5 | 104 | 104 | 100.0 | 99.0 |
| W1 | 4.9 | 5.3 | 92.4 | 87.5 | 41.3 | 41.4 | 99.8 | 99.3 | 42.6 | 42.6 | 100.0 | 100.5 | 12.2 | 12.4 | 98.4 | 102.5 | 102 | 102 | 100.0 | 97.1 |
| X1 | 5.1 | 5.4 | 94.4 | 91.1 | 41.6 | 41.3 | 100.7 | 100.0 | 42.8 | 42.3 | 101.2 | 100.9 | 13.0 | 13.1 | 99.2 | 109.2 | 98 | 98 | 100.0 | 93.3 |
| Y1 | 5.3 | 5.4 | 98.1 | 94.6 | 41.3 | 41.4 | 99.8 | 99.3 | 42.4 | 42.5 | 99.8 | 100.0 | 12.2 | 12.3 | 99.2 | 102.5 | 111 | 105 | 105.7 | 105.7 |
| Z1 | 5.9 | 5.8 | 101.7 | 105.4 | 41.5 | 41.5 | 100.0 | 99.8 | 42.4 | 42.4 | 100.0 | 100.0 | 11.9 | 11.8 | 100.8 | 100.0 | 100 | 100 | 100.0 | 95.2 |
| A2 | 5.6 | 5.9 | 94.9 | 100.0 | 41.9 | 42.0 | 99.8 | 100.7 | 42.0 | 42.1 | 99.8 | 99.0 | 12.3 | 13.1 | 93.9 | 103.4 | 116 | 108 | 107.4 | 110.5 |
| C2 | | 6.5 | | | | 41.9 | | | | 42.0 | | | | 11.7 | | | | 106 | | |
| F2 | 6.1 | 6.0 | 101.7 | 108.9 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.0 | 99.3 | | | | | 102 | 102 | 100.0 | 97.1 |
| G2 | | 5.2 | | | | 41.4 | | | | 42.5 | | | | 11.2 | | | | 111 | | |
| H2 | 6.7 | 6.7 | 100.0 | 119.6 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.0 | 99.3 | 11.9 | 11.7 | 101.7 | 100.0 | 111 | 106 | 104.7 | 105.7 |
| K2 | 5.6 | 5.8 | 96.6 | 100.0 | 42.3 | 42.0 | 100.7 | 101.7 | 42.4 | 42.1 | 100.7 | 100.0 | 12.9 | 12.4 | 104.0 | 108.4 | 114 | 110 | 103.6 | 108.6 |
| L2 | 6.3 | 6.3 | 100.0 | 112.5 | 42.2 | 42.2 | 100.0 | 101.4 | 42.3 | 42.2 | 100.2 | 99.8 | 11.1 | 11.2 | 99.1 | 93.3 | 107 | 104 | 102.9 | 101.9 |
| R2 | 6.3 | 5.8 | 108.6 | 112.5 | 41.5 | 41.4 | 100.2 | 99.8 | 42.2 | 42.3 | 99.8 | 99.5 | 12.6 | 11.9 | 105.9 | 105.9 | 100 | 101 | 99.0 | 95.2 |
| S2 | 6.5 | 6.1 | 106.6 | 116.1 | 41.6 | 41.8 | 99.5 | 100.0 | 42.2 | 42.5 | 99.3 | 99.5 | 12.6 | 12.4 | 101.6 | 105.9 | 98 | 99 | 99.0 | 93.3 |
| V2 | 5.5 | 5.4 | 101.8 | 98.2 | 41.5 | 41.5 | 100.0 | 99.8 | 42.5 | 42.6 | 99.8 | 100.2 | 12.4 | 12.4 | 100.0 | 104.2 | 101 | 100 | 101.0 | 96.2 |
| Y2 | 4.5 | 4.5 | 100.0 | 80.4 | 41.7 | 41.2 | 101.2 | 100.2 | 43.2 | 42.7 | 101.2 | 101.9 | 11.3 | 11.7 | 96.6 | 95.0 | 103 | 104 | 99.0 | 98.1 |
| Z2 | 4.8 | 4.8 | 100.0 | 85.7 | 40.9 | 40.8 | 100.2 | 98.3 | 42.2 | 42.2 | 100.0 | 99.5 | 11.7 | 11.9 | 98.3 | 98.3 | 113 | 113 | 100.0 | 107.6 |
| A3 | 5.6 | 5.6 | 100.0 | 100.0 | 43.1 | 42.8 | 100.7 | 103.6 | 43.2 | 43.0 | 100.5 | 101.9 | 11.8 | 12.5 | 94.4 | 99.2 | 124 | 123 | 100.8 | 118.1 |
| B3 | 5.6 | 5.4 | 103.7 | 100.0 | 41.4 | 41.4 | 100.0 | 99.5 | 42.4 | 42.5 | 99.8 | 100.0 | 10.7 | 10.8 | 99.1 | 89.9 | 107 | 103 | 103.9 | 101.9 |
| C3 | 5.2 | 5.8 | 89.6 | 92.8 | 41.3 | 41.4 | 99.8 | 99.3 | 42.5 | 42.3 | 100.5 | 100.2 | 11.6 | 11.8 | 98.3 | 97.5 | 113 | 107 | 105.6 | 107.6 |
| D3 | 5.2 | 6.4 | 81.2 | 92.8 | 41.3 | 41.5 | 99.5 | 99.3 | 42.5 | 42.1 | 101.0 | 100.2 | 11.4 | 11.9 | 95.8 | 95.8 | 109 | 103 | 105.8 | 103.8 |
| E3 | 4.8 | 4.8 | 100.0 | 85.7 | 41.6 | 41.0 | 101.5 | 100.0 | 43.0 | 42.3 | 101.6 | 101.4 | 11.7 | 11.9 | 98.3 | 98.3 | 117 | 116 | 100.9 | 111.4 |
| I3 | 5.1 | 4.8 | 106.2 | 91.1 | 41.7 | 41.5 | 100.5 | 100.2 | 42.9 | 42.9 | 100.0 | 101.2 | 11.2 | 11.2 | 100.0 | 94.1 | 112 | 107 | 104.7 | 106.7 |
| K3 | 6.6 | 6.5 | 101.5 | 117.8 | 41.9 | 42.0 | 99.8 | 100.7 | 42.0 | 42.1 | 99.8 | 99.0 | 12.0 | 11.5 | 104.3 | 100.8 | 106 | 104 | 101.9 | 101.0 |
| M3 | 5.3 | 5.3 | 100.0 | 94.6 | 41.3 | 41.3 | 100.0 | 99.3 | 42.4 | 42.4 | 100.0 | 100.0 | 10.4 | 10.8 | 96.3 | 87.4 | 105 | 104 | 101.0 | 100.0 |
| Q3 | 6.7 | 6.4 | 104.7 | 119.6 | 41.6 | 41.8 | 99.5 | 100.0 | 42.1 | 42.4 | 99.3 | 99.3 | 11.9 | 12.0 | 98.3 | 99.2 | 110 | 110 | 100.0 | 104.8 |
| R3 | 5.6 | 5.8 | 96.6 | 100.0 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 11.1 | 11.4 | 97.4 | 93.3 | 107 | 105 | 101.9 | 101.9 |
| X3 | 5.7 | 5.7 | 100.0 | 101.8 | 40.4 | 40.9 | 98.8 | 97.1 | 41.3 | 41.8 | 98.8 | 97.4 | 12.3 | 12.3 | 100.0 | 103.4 | 103 | 107 | 96.3 | 98.1 |
| E4 | | 5.2 | | | | 41.1 | | | | 42.2 | | | | 12.7 | | | | 107 | | |
| F4 | 4.7 | 5.3 | 88.7 | 83.9 | 41.2 | 41.4 | 99.5 | 99.0 | 42.6 | 42.6 | 100.0 | 100.5 | 12.6 | 13.4 | 94.0 | 105.9 | 102 | 102 | 100.0 | 97.1 |
| G4 | 5.5 | 5.5 | 100.0 | 98.2 | 42.2 | 42.2 | 100.0 | 101.4 | 42.3 | 42.3 | 100.0 | 99.8 | 12.0 | 12.0 | 100.0 | 100.8 | 104 | 104 | 100.0 | 99.0 |
| H4 | 5.9 | 5.6 | 105.4 | 105.4 | 42.2 | 42.2 | 100.0 | 101.4 | 42.6 | 42.6 | 100.0 | 100.5 | 12.1 | 12.0 | 100.8 | 101.7 | 106 | 106 | 100.0 | 101.0 |
| I4 | 4.5 | 4.0 | 112.5 | 80.4 | 41.3 | 41.7 | 99.0 | 99.3 | 41.7 | 42.1 | 99.0 | 98.3 | 12.6 | 13.0 | 96.9 | 105.9 | 103 | 100 | 103.0 | 98.1 |
| J4 | 6.2 | 5.9 | 105.1 | 110.7 | 41.6 | 41.5 | 100.2 | 100.0 | 42.3 | 42.3 | 100.0 | 99.8 | 11.5 | 11.4 | 100.9 | 96.6 | 104 | 103 | 101.0 | 99.0 |
| K4 | 5.5 | 5.6 | 98.2 | 98.2 | 41.6 | 41.4 | 100.5 | 100.0 | 42.6 | 42.4 | 100.5 | 100.5 | 12.4 | 12.3 | 100.8 | 104.2 | 106 | 104 | 101.9 | 101.0 |
| L4 | | 3.0 | | | | 40.9 | | | | 43.0 | | | | 11.6 | | | | 108 | | |
| Q4 | 5.6 | 5.6 | 100.0 | 100.0 | 42.1 | 42.5 | 99.0 | 101.2 | 42.2 | 42.6 | 99.1 | 99.5 | 11.5 | 11.6 | 99.1 | 96.6 | 104 | 104 | 100.0 | 99.0 |
| T4 | 4.7 | 4.7 | 100.0 | 83.9 | 40.9 | 41.1 | 99.5 | 98.3 | 42.3 | 42.5 | 99.5 | 99.8 | 11.9 | 11.7 | 101.7 | 100.0 | 114 | 113 | 100.9 | 108.6 |

FKBS DATA

| | | | | | |
|---|---|---|---|---|---|
| CUR. AV. | 5.6 | 41.7 | 42.4 | 11.9 | 107 |
| CUM. AV. | 5.6 | 41.6 | 42.4 | 11.9 | 105 |
| IND. *D | 100.0 | 100.2 | 100.0 | 100.0 | 101.9 |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | 6.1 | 5.5 | 110.9 | 108.9 | 42.0 | 42.0 | 100.0 | 101.0 | 42.2 | 42.2 | 100.0 | 99.5 | 10.9 | 11.7 | 93.2 | 91.6 | 105 | 105 | 100.0 | 100.0 |
| C1 | 6.4 | 6.2 | 103.2 | 114.3 | 41.8 | 41.5 | 100.7 | 100.5 | 42.4 | 42.2 | 100.5 | 100.0 | 11.9 | 11.4 | 104.4 | 100.0 | 106 | 109 | 97.2 | 101.0 |
| E1 | 5.7 | 5.9 | 96.6 | 101.8 | 42.0 | 42.1 | 99.8 | 101.0 | 42.1 | 42.2 | 99.8 | 99.3 | 11.6 | 11.5 | 100.9 | 97.5 | 105 | 104 | 101.9 | 101.0 |
| H1 | 5.4 | 5.4 | 100.0 | 96.4 | 41.6 | 41.5 | 100.2 | 100.0 | 42.7 | 42.6 | 100.2 | 100.7 | 11.6 | 11.8 | 98.3 | 97.5 | 106 | 109 | 97.2 | 101.0 |
| I1 | 5.5 | 5.5 | 100.0 | 98.2 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 12.7 | 12.5 | 101.6 | 106.7 | 109 | 107 | 101.9 | 103.8 |
| K1 | 5.9 | 6.0 | 98.3 | 105.4 | 42.0 | 41.7 | 100.7 | 101.0 | 42.5 | 42.5 | 100.9 | 101.2 | 12.4 | 11.7 | 106.0 | 104.2 | 102 | 102 | 100.0 | 97.1 |
| M1 | 5.8 | 5.6 | 103.6 | 103.6 | 41.5 | 41.6 | 99.8 | 99.8 | 42.4 | 42.6 | 99.5 | 100.0 | 12.0 | 12.2 | 98.4 | 100.8 | 114 | 104 | 109.6 | 108.6 |
| N1 | | 6.0 | | | | 42.2 | | | | 42.6 | | | | 12.4 | | | | 102 | | |
| O1 | | 6.5 | | | | 43.0 | | | | 43.4 | | | | 12.4 | | | | 124 | | |
| T1 | 6.4 | 6.1 | 104.9 | 114.3 | 42.0 | 42.0 | 100.0 | 101.0 | 42.2 | 42.2 | 100.0 | 99.5 | 12.1 | 11.9 | 101.7 | 101.7 | 102 | 104 | 98.1 | 97.1 |
| U1 | 5.7 | 5.6 | 101.8 | 101.8 | 42.1 | 42.2 | 99.8 | 101.2 | 42.2 | 42.3 | 99.8 | 99.5 | 11.3 | 12.0 | 98.3 | 99.2 | 104 | 103 | 101.0 | 99.0 |
| W1 | 4.8 | 5.2 | 92.3 | 85.7 | 41.1 | 41.4 | 99.3 | 98.8 | 42.5 | 42.6 | 99.8 | 100.2 | 12.2 | 12.4 | 98.4 | 102.5 | 101 | 102 | 99.0 | 96.2 |
| X1 | 5.4 | 5.4 | 100.0 | 96.4 | 41.3 | 41.3 | 100.0 | 99.3 | 42.4 | 42.4 | 100.0 | 100.0 | 12.6 | 13.1 | 96.2 | 105.9 | 99 | 98 | 101.0 | 94.3 |
| Y1 | 5.3 | 5.4 | 98.1 | 94.6 | 41.5 | 41.4 | 100.2 | 99.8 | 42.6 | 42.5 | 100.2 | 100.5 | 12.0 | 12.3 | 97.6 | 100.8 | 113 | 106 | 106.6 | 107.6 |
| Z1 | 6.1 | 5.8 | 105.2 | 108.9 | 41.7 | 41.5 | 100.5 | 100.2 | 42.5 | 42.4 | 100.2 | 100.2 | 12.1 | 11.8 | 102.5 | 101.7 | 98 | 100 | 98.0 | 93.3 |
| A2 | 5.6 | 5.8 | 96.6 | 100.0 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.0 | 99.3 | 12.6 | 13.0 | 95.4 | 104.2 | 114 | 110 | 103.6 | 108.6 |
| C2 | | 6.5 | | | | 41.9 | | | | 42.0 | | | | 11.7 | | | | 106 | | |
| F2 | 6.1 | 6.0 | 101.7 | 108.9 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.0 | 99.3 | | | | | 102 | 102 | 100.0 | 97.1 |
| G2 | | 5.2 | | | | 41.4 | | | | 42.5 | | | | 11.2 | | | | 111 | | |
| H2 | 6.4 | 6.7 | 95.5 | 114.3 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.0 | 99.3 | 12.1 | 11.7 | 103.4 | 101.7 | 107 | 107 | 100.0 | 101.9 |
| K2 | | 5.8 | | | | 42.1 | | | | 42.2 | | | | 12.5 | | | | 111 | | |
| L2 | 6.0 | 6.3 | 95.2 | 107.1 | 42.2 | 42.2 | 100.0 | 101.4 | 42.3 | 42.2 | 100.2 | 99.8 | 11.4 | 11.2 | 101.8 | 95.8 | 103 | 104 | 99.0 | 98.1 |
| R2 | 6.1 | 5.8 | 105.2 | 108.9 | 41.5 | 41.4 | 100.2 | 99.8 | 42.2 | 42.3 | 99.8 | 99.5 | 12.2 | 12.0 | 101.7 | 102.5 | 101 | 101 | 100.0 | 96.2 |
| S2 | 6.6 | 6.1 | 108.2 | 117.8 | 41.7 | 41.7 | 100.0 | 100.2 | 42.2 | 42.5 | 99.3 | 99.5 | 12.6 | 12.4 | 101.6 | 105.9 | 100 | 99 | 101.0 | 95.2 |
| V2 | 5.6 | 5.4 | 103.7 | 100.0 | 41.4 | 41.5 | 99.8 | 99.5 | 42.4 | 42.6 | 99.5 | 100.0 | 12.7 | 12.3 | 103.2 | 106.7 | 101 | 100 | 101.0 | 96.2 |
| Y2 | 4.5 | 4.5 | 100.0 | 80.4 | 41.7 | 41.3 | 101.0 | 100.2 | 43.2 | 42.8 | 100.9 | 101.9 | 11.3 | 11.6 | 97.4 | 95.0 | 103 | 106 | 99.0 | 98.1 |
| Z2 | 5.2 | 4.8 | 108.3 | 92.8 | 41.0 | 40.8 | 100.5 | 98.6 | 42.1 | 42.2 | 99.8 | 99.3 | 11.7 | 11.9 | 98.3 | 98.3 | 118 | 114 | 103.5 | 112.6 |
| A3 | 5.8 | 5.6 | 103.6 | 103.6 | 42.2 | 42.9 | 98.4 | 101.4 | 42.3 | 43.0 | 98.4 | 99.8 | 11.2 | 12.4 | 90.3 | 94.1 | 121 | 123 | 98.4 | 115.2 |
| B3 | 5.8 | 5.4 | 107.4 | 103.6 | 41.5 | 41.3 | 100.5 | 99.8 | 42.4 | 42.4 | 100.0 | 100.0 | 11.3 | 10.8 | 104.6 | 95.0 | 110 | 104 | 105.8 | 104.8 |
| C3 | 5.0 | 5.7 | 87.7 | 89.3 | 41.2 | 41.4 | 99.5 | 99.0 | 42.4 | 42.4 | 100.0 | 100.0 | 11.9 | 11.7 | 101.7 | 100.0 | 107 | 106 | 99.1 | 101.9 |
| D3 | | 6.2 | | | | 41.5 | | | | 42.2 | | | | 11.8 | | | | 104 | | |
| E3 | 4.8 | 4.8 | 100.0 | 85.7 | 41.3 | 41.1 | 101.7 | 100.5 | 43.2 | 42.5 | 101.6 | 101.9 | 11.5 | 11.8 | 97.4 | 96.6 | 112 | 117 | 95.7 | 106.7 |
| I3 | 5.0 | 4.8 | 104.2 | 89.3 | 41.7 | 41.6 | 100.2 | 100.2 | 43.0 | 42.9 | 100.2 | 101.4 | 11.2 | 11.2 | 100.0 | 94.1 | 108 | 108 | 100.0 | 102.8 |
| K3 | 6.8 | 6.5 | 104.6 | 121.4 | 42.0 | 42.0 | 100.0 | 101.0 | 42.1 | 42.1 | 100.3 | 99.3 | 11.5 | 11.6 | 99.1 | 96.6 | 105 | 104 | 101.0 | 100.0 |
| M3 | 5.0 | 5.3 | 94.3 | 89.3 | 41.1 | 41.2 | 99.8 | 98.8 | 42.3 | 42.4 | 99.8 | 99.8 | 11.3 | 10.8 | 104.6 | 95.0 | 102 | 104 | 98.1 | 97.1 |
| P3 | 6.7 | | | 119.6 | 42.4 | | | 101.9 | 42.5 | | | 100.2 | 13.1 | | | 110.1 | 105 | | | 100.0 |
| Q3 | 6.3 | 6.4 | 98.4 | 112.5 | 41.6 | 41.8 | 99.5 | 100.0 | 42.3 | 42.4 | 99.8 | 99.8 | 12.1 | 12.0 | 100.8 | 101.7 | 107 | 110 | 97.3 | 101.9 |
| R3 | 5.7 | 5.7 | 100.0 | 101.8 | 42.1 | 42.1 | 100.0 | 101.2 | 42.2 | 42.2 | 100.0 | 99.5 | 11.3 | 11.4 | 99.1 | 95.0 | 106 | 105 | 101.0 | 101.0 |
| X3 | 5.6 | 5.5 | 100.0 | 100.0 | 40.6 | 40.8 | 99.5 | 97.6 | 41.6 | 41.8 | 99.5 | 98.1 | 12.2 | 12.3 | 99.2 | 102.5 | 105 | 106 | 99.0 | 100.0 |
| E4 | | 5.2 | | | | 41.0 | | | | 42.2 | | | | 12.6 | | | | 108 | | |
| F4 | 4.8 | 5.2 | 92.3 | 85.7 | 41.3 | 41.4 | 99.8 | 99.3 | 42.7 | 42.6 | 100.2 | 100.7 | 13.0 | 13.2 | 98.5 | 109.2 | 102 | 102 | 100.0 | 97.1 |
| G4 | 5.5 | 5.5 | 100.0 | 98.2 | 42.2 | 42.2 | 100.0 | 101.4 | 42.3 | 42.3 | 100.0 | 99.8 | 11.8 | 12.0 | 98.3 | 99.2 | 102 | 104 | 98.1 | 97.1 |
| H4 | 5.9 | 5.7 | 103.5 | 105.4 | 42.2 | 42.2 | 100.0 | 101.4 | 42.6 | 42.6 | 100.0 | 100.5 | 11.7 | 12.1 | 96.7 | 98.3 | 107 | 106 | 100.9 | 101.9 |
| I4 | 4.5 | 4.1 | 109.8 | 80.4 | 41.4 | 41.7 | 99.3 | 99.5 | 41.8 | 42.1 | 99.3 | 98.6 | 12.6 | 12.9 | 97.7 | 105.9 | 102 | 101 | 101.0 | 97.1 |
| J4 | 6.4 | 5.9 | 108.5 | 114.3 | 41.7 | 41.5 | 100.5 | 100.2 | 42.3 | 42.3 | 100.0 | 99.8 | 11.9 | 11.4 | 103.5 | 99.2 | 103 | 103 | 100.0 | 98.1 |
| K4 | 5.9 | 5.7 | 103.5 | 105.4 | 41.4 | 41.4 | 100.0 | 99.5 | 42.3 | 42.4 | 99.8 | 99.3 | 12.4 | 12.3 | 100.8 | 104.2 | 106 | 104 | 101.9 | 101.0 |
| L4 | | 2.9 | | | | 40.9 | | | | 43.0 | | | | 11.6 | | | | 108 | | |
| Q4 | 5.6 | 5.6 | 100.0 | 100.0 | 42.0 | 42.4 | 99.0 | 101.0 | 42.1 | 42.5 | 99.0 | 99.3 | 11.3 | 11.6 | 97.4 | 95.0 | 104 | 104 | 100.0 | 99.0 |
| T4 | 4.8 | 4.7 | 102.1 | 85.7 | 41.0 | 41.1 | 99.8 | 98.6 | 42.4 | 42.5 | 99.8 | 100.0 | 11.9 | 11.7 | 101.7 | 100.0 | 112 | 113 | 99.1 | 106.7 |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 5.7 | | | | 41.7 | | | | 42.4 | | | | 11.9 | | | | 106 | | | |
| CUM. AV. | 5.6 | | | | 41.6 | | | | 42.4 | | | | 11.9 | | | | 105 | | | |
| IND. *D | 101.8 | | | | 100.2 | | | | 100.0 | | | | 100.0 | | | | 101.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

| | APRIL, 1982 | | | | MAY, 1982 | | | | JUNE, 1982 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | | | | | | | | | | | |
| C1 | 66.0 | | | | 65.0 | 66.0 | 98.5 | 92.2 | 65.0 | 65.5 | 99.2 | 91.5 |
| E1 | 62.0 | | | | 66.0 | 62.0 | 106.4 | 93.6 | 66.0 | 64.0 | 103.1 | 93.0 |
| H1 | | | | | | | | | | | | |
| I1 | 71.0 | | | | 70.0 | 71.0 | 98.6 | 95.3 | 67.0 | 70.5 | 95.0 | 94.4 |
| K1 | | | | | | | | | | | | |
| M1 | | | | | | | | | | | | |
| N1 | | | | | | | | | | | | |
| O1 | | | | | | | | | | | | |
| T1 | | | | | | | | | | | | |
| U1 | 62.0 | | | | 63.0 | 62.0 | 101.6 | 89.4 | 62.5 | 62.5 | 100.2 | 88.2 |
| W1 | | | | | | | | | | | | |
| X1 | 58.0 | | | | 55.0 | 58.0 | 94.8 | 78.0 | 50.0 | 56.5 | 88.5 | 70.4 |
| Y1 | 69.0 | | | | 74.0 | 69.0 | 107.2 | 105.0 | 78.0 | 71.5 | 109.1 | 109.8 |
| Z1 | | | | | | | | | | | | |
| A2 | 77.0 | | | | 77.0 | 77.0 | 100.0 | 105.2 | 77.0 | 77.0 | 100.0 | 108.4 |
| C2 | | | | | | | | | | | | |
| F2 | 72.0 | | | | 71.0 | 72.0 | 98.6 | 100.7 | 65.0 | 71.5 | 90.9 | 91.5 |
| G2 | | | | | | | | | | | | |
| H2 | | | | | | | | | | | | |
| K2 | 66.0 | | | | 59.0 | 66.0 | 89.4 | 83.7 | | 62.5 | | |
| L2 | 66.0 | | | | 68.0 | 66.0 | 103.0 | 96.4 | 68.0 | 67.0 | 101.5 | 95.8 |
| R2 | | | | | | | | | | | | |
| S2 | | | | | | | | | | | | |
| V2 | | | | | | | | | | | | |
| Y2 | | | | | | | | | | | | |
| Z2 | 79.0 | | | | 79.0 | 79.0 | 100.0 | 112.0 | 78.0 | 79.0 | 98.7 | 109.8 |
| A3 | 74.0 | | | | 73.0 | 74.0 | 98.6 | 103.5 | 74.0 | 73.5 | 100.7 | 104.2 |
| B3 | 64.0 | | | | 65.0 | 64.0 | 101.6 | 92.2 | 62.0 | 64.5 | 96.1 | 87.3 |
| C3 | | | | | | | | | | | | |
| D3 | | | | | | | | | | | | |
| E3 | 76.0 | | | | 75.0 | 76.0 | 98.7 | 106.4 | 72.0 | 75.5 | 95.4 | 101.4 |
| I3 | 67.0 | | | | 81.0 | 67.0 | 120.9 | 114.9 | 68.0 | 74.0 | 91.9 | 95.8 |
| K3 | | | | | | | | | | | | |
| M3 | 64.0 | | | | 65.0 | 64.0 | 101.6 | 92.2 | 61.0 | 64.5 | 94.6 | 85.9 |
| O3 | | | | | | | | | | | | |
| P3 | | | | | | | | | | | | |
| Q3 | 79.0 | | | | 79.0 | 79.0 | 100.0 | 112.0 | 73.0 | 79.0 | 92.4 | 102.8 |
| R3 | 66.6 | | | | 68.5 | 66.6 | 102.8 | 97.2 | 66.2 | 67.6 | 97.9 | 93.2 |
| X3 | 72.0 | | | | | 72.0 | | | 63.2 | 72.0 | 87.8 | 89.0 |
| E4 | | | | | | | | | | | | |
| F4 | | | | | | | | | | | | |
| G4 | | | | | 89.0 | | | 126.2 | 97.0 | 89.0 | 109.0 | 136.6 |
| H4 | 89.2 | | | | 83.1 | 89.2 | 93.2 | 117.9 | 85.0 | 86.2 | 98.6 | 119.7 |
| I4 | 59.0 | | | | 60.0 | 59.0 | 101.7 | 85.1 | 60.0 | 59.5 | 100.8 | 84.5 |
| J4 | | | | | | | | | | | | |
| K4 | | | | | | | | | | | | |
| L4 | | | | | | | | | | | | |
| Q4 | 90.0 | | | | 89.0 | 90.0 | 98.9 | 126.2 | 92.0 | 89.5 | 102.8 | 129.6 |
| T4 | 72.0 | | | | 71.0 | 72.0 | 98.6 | 100.7 | 73.0 | 71.5 | 102.1 | 102.8 |
| FKBG DATA | | | | | | | | | | | | |
| CUR. AV. | 70.5 | | | | 71.5 | | | | 70.6 | | | |
| CUM. AV. | | | | | 70.5 | | | | 71.0 | | | |
| IND. *D | | | | | 101.4 | | | | 99.4 | | | |

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | 6.1 | | | | 69.1 | | | | 69.4 | | | | 19.9 | | | | 141 | | |
| C1 | 6.9 | 6.8 | 101.5 | 111.3 | 68.8 | 68.7 | 100.1 | 100.3 | 69.5 | 69.5 | 100.0 | 100.1 | 19.7 | 18.8 | 104.8 | 100.5 | 144 | 152 | 94.7 | 101.4 |
| F1 | | 6.2 | | | | 70.0 | | | | 70.6 | | | | 18.3 | | | | 149 | | |
| H1 | 6.2 | 6.1 | 101.6 | 100.0 | 68.6 | 68.4 | 100.3 | 100.0 | 69.8 | 69.7 | 100.1 | 100.6 | 19.4 | 20.5 | 94.6 | 99.0 | 147 | 141 | 104.2 | 103.5 |
| I1 | 5.9 | 5.8 | 101.7 | 95.2 | 69.2 | 69.3 | 99.8 | 100.9 | 69.4 | 69.5 | 99.8 | 100.0 | 20.5 | 20.4 | 100.5 | 104.6 | 139 | 140 | 99.3 | 97.9 |
| K1 | 6.9 | 7.0 | 98.6 | 111.3 | 69.2 | 68.8 | 100.6 | 100.9 | 69.9 | 69.4 | 100.7 | 100.7 | 18.7 | 19.2 | 97.4 | 95.4 | 140 | 138 | 101.4 | 98.6 |
| M1 | 5.9 | 5.8 | 101.7 | 95.2 | 68.5 | 68.6 | 99.8 | 99.8 | 69.9 | 70.1 | 99.7 | 100.7 | 21.1 | 21.1 | 100.0 | 107.6 | 138 | 136 | 101.5 | 97.2 |
| O1 | | 6.6 | | | | 69.0 | | | | 69.6 | | | | 18.1 | | | | 174 | | |
| U1 | 7.0 | 6.6 | 106.1 | 112.9 | 69.1 | 69.2 | 99.8 | 100.7 | 69.3 | 69.4 | 99.8 | 99.8 | 17.6 | 18.6 | 94.6 | 89.8 | 135 | 141 | 95.7 | 95.1 |
| W1 | | 6.0 | | | | 68.3 | | | | 69.6 | | | | 19.7 | | | | 139 | | |
| A2 | 6.2 | 6.1 | 101.6 | 100.0 | 69.0 | 69.0 | 100.0 | 100.6 | 69.2 | 69.2 | 100.0 | 99.7 | 19.8 | 21.5 | 92.1 | 101.0 | 152 | 145 | 104.8 | 107.0 |
| F2 | 6.1 | 6.2 | 98.4 | 98.6 | 69.0 | 69.0 | 100.0 | 100.6 | 69.2 | 69.2 | 100.0 | 99.7 | | | | | 135 | 138 | 97.8 | 95.1 |
| G2 | | 6.0 | | | | 68.6 | | | | 70.0 | | | | 19.3 | | | | 144 | | |
| L2 | 7.1 | 7.4 | 95.9 | 114.5 | 69.1 | 69.1 | 100.0 | 100.7 | 69.3 | 69.3 | 100.0 | 99.8 | 19.8 | 19.1 | 103.7 | 101.0 | 145 | 138 | 105.1 | 102.1 |
| R2 | 6.0 | 6.6 | 90.9 | 96.8 | 68.2 | 68.6 | 99.4 | 99.4 | 69.6 | 69.5 | 100.1 | 100.3 | 20.2 | 19.9 | 101.5 | 103.1 | 133 | 136 | 97.8 | 93.7 |
| S2 | 7.6 | 7.0 | 108.6 | 122.6 | 69.0 | 69.1 | 99.8 | 100.6 | 69.1 | 69.7 | 99.1 | 99.6 | 19.0 | 19.3 | 98.4 | 96.9 | 137 | 138 | 99.3 | 96.5 |
| W2 | 5.6 | 5.5 | 101.8 | 90.3 | 68.1 | 68.4 | 99.6 | 99.3 | 69.7 | 70.1 | 99.4 | 100.4 | 18.9 | 19.1 | 99.0 | 96.4 | 145 | 144 | 100.7 | 102.1 |
| X2 | 6.6 | 6.4 | 103.1 | 106.4 | 69.2 | 69.3 | 99.8 | 100.9 | 69.8 | 69.9 | 99.8 | 100.6 | 19.3 | 19.5 | 99.0 | 98.5 | 147 | 145 | 101.4 | 103.5 |
| Y2 | 5.3 | 5.0 | 106.0 | 85.5 | 68.8 | 67.9 | 101.3 | 100.3 | 70.7 | 70.0 | 101.0 | 101.9 | 18.1 | 19.2 | 94.3 | 92.3 | 139 | 139 | 100.0 | 97.9 |
| Z2 | 4.8 | 4.8 | 100.0 | 77.4 | 67.1 | 67.0 | 100.1 | 97.8 | 69.3 | 69.2 | 100.1 | 99.8 | 20.5 | 20.0 | 102.5 | 104.6 | 154 | 152 | 101.3 | 100.4 |
| A3 | 6.2 | 6.2 | 100.0 | 100.0 | 69.3 | 69.8 | 99.3 | 101.0 | 69.5 | 70.0 | 99.3 | 100.1 | 17.9 | 20.3 | 88.2 | 91.3 | 158 | 160 | 98.8 | 111.3 |
| B3 | 5.8 | 6.0 | 96.7 | 93.5 | 68.0 | 68.2 | 99.7 | 99.1 | 69.5 | 69.6 | 99.8 | 100.1 | 18.2 | 17.6 | 103.4 | 92.8 | 141 | 138 | 102.2 | 99.3 |
| C3 | | 6.0 | | | | 68.2 | | | | 69.5 | | | | 19.8 | | | | 141 | | |
| D3 | | 7.2 | | | | 68.5 | | | | 69.0 | | | | 20.5 | | | | 137 | | |
| E3 | 5.9 | 5.8 | 101.7 | 95.2 | 67.9 | 68.1 | 99.7 | 99.0 | 69.3 | 69.5 | 99.7 | 99.8 | 18.9 | 19.7 | 95.9 | 96.4 | 138 | 150 | 92.0 | 97.2 |
| I3 | 7.4 | 7.0 | 105.7 | 119.4 | 68.4 | 68.4 | 100.0 | 99.7 | 68.7 | 69.0 | 99.6 | 99.0 | 18.2 | 18.3 | 99.4 | 92.8 | 144 | 143 | 100.7 | 101.4 |
| O3 | 6.6 | 6.5 | 101.5 | 106.4 | 68.2 | 67.9 | 100.4 | 99.4 | 69.1 | 68.9 | 100.3 | 99.6 | 18.7 | 19.5 | 95.9 | 95.4 | 139 | 141 | 98.6 | 97.9 |
| Q3 | 7.3 | 7.0 | 104.3 | 117.7 | 69.6 | 68.8 | 101.2 | 101.6 | 69.9 | 69.4 | 100.7 | 100.7 | 20.1 | 19.6 | 102.6 | 102.6 | 141 | 140 | 100.7 | 99.3 |
| R3 | 6.4 | 6.4 | 100.0 | 103.2 | 69.0 | 69.0 | 100.0 | 100.6 | 69.2 | 69.2 | 100.0 | 99.7 | | 18.0 | | | 141 | 146 | 96.6 | 99.3 |
| X3 | 6.0 | 6.1 | 98.4 | 96.8 | 67.5 | 67.5 | 100.0 | 98.4 | 68.8 | 68.7 | 100.1 | 99.1 | 21.6 | 20.9 | 103.3 | 110.2 | 141 | 137 | 102.9 | 99.3 |
| H4 | | 5.6 | | | | 69.5 | | | | 70.1 | | | | 20.9 | | | | 138 | | |
| I4 | 5.5 | 4.8 | 114.6 | 88.7 | 68.0 | 67.7 | 100.4 | 99.1 | 68.6 | 68.3 | 100.4 | 98.8 | 21.0 | 21.3 | 98.6 | 107.1 | 145 | 143 | 101.4 | 102.1 |
| J4 | | 6.8 | | | | 68.6 | | | | 69.3 | | | | 19.4 | | | | 138 | | |
| K4 | 5.8 | 6.2 | 93.5 | 93.5 | 67.9 | 68.3 | 99.4 | 99.0 | 69.4 | 69.5 | 99.8 | 100.0 | 20.7 | 20.5 | 101.0 | 105.6 | 138 | 139 | 99.3 | 97.2 |
| L4 | | 4.1 | | | | 67.7 | | | | 70.5 | | | | 19.8 | | | | 145 | | |
| Q4 | 6.7 | 5.9 | 113.6 | 108.1 | 69.3 | 69.4 | 99.8 | 101.0 | 69.5 | 69.6 | 99.8 | 100.1 | 19.1 | 19.4 | 98.4 | 97.4 | 136 | 137 | 99.3 | 95.8 |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 6.3 | | | | 68.6 | | | | 69.4 | | | | 19.4 | | | | 142 | | | |
| CUM. AV. | 6.2 | | | | 69.6 | | | | 69.4 | | | | 19.6 | | | | 142 | | | |
| IND. *D | 101.6 | | | | 100.0 | | | | 100.0 | | | | 99.0 | | | | 100.0 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | 6.1 | | | | 69.1 | | | | 69.4 | | | | 19.8 | | | | 141 | | |
| C1 | 7.3 | 6.7 | 109.0 | 117.7 | 68.8 | 68.7 | 100.1 | 100.3 | 69.1 | 69.5 | 99.4 | 99.6 | 19.9 | 18.9 | 105.3 | 101.5 | 146 | 152 | 96.0 | 102.8 |
| F1 | | 6.2 | | | | 70.0 | | | | 70.6 | | | | 18.3 | | | | 149 | | |
| H1 | 5.9 | 6.1 | 96.7 | 95.2 | 68.4 | 68.5 | 99.8 | 99.7 | 69.8 | 69.7 | 100.1 | 100.6 | 19.3 | 20.4 | 94.6 | 98.5 | 140 | 141 | 99.3 | 98.6 |
| I1 | 5.7 | 5.8 | 98.3 | 91.9 | 69.3 | 69.3 | 100.0 | 101.0 | 69.5 | 69.5 | 100.0 | 100.1 | 20.7 | 20.5 | 101.0 | 105.6 | 140 | 140 | 100.0 | 98.6 |
| K1 | 6.7 | 6.9 | 97.1 | 108.1 | 69.0 | 68.8 | 100.3 | 100.6 | 69.8 | 69.5 | 100.4 | 100.6 | 19.8 | 18.9 | 104.8 | 101.0 | 138 | 138 | 100.0 | 97.2 |
| M1 | 6.1 | 5.8 | 105.2 | 98.4 | 68.4 | 68.6 | 99.7 | 99.7 | 69.6 | 70.0 | 99.4 | 100.3 | 21.3 | 21.1 | 100.9 | 108.7 | 135 | 136 | 99.3 | 95.1 |
| O1 | | 6.7 | | | | 68.9 | | | | 69.5 | | | | 17.8 | | | | 182 | | |
| U1 | 6.9 | 6.7 | 103.0 | 111.3 | 69.2 | 69.2 | 100.0 | 100.9 | 69.4 | 69.4 | 100.0 | 100.0 | 17.3 | 18.5 | 93.5 | 88.3 | 147 | 141 | 104.2 | 103.5 |
| W1 | | 6.0 | | | | 68.2 | | | | 69.6 | | | | 19.7 | | | | 139 | | |
| A2 | 5.7 | 6.1 | 93.4 | 91.9 | 68.9 | 69.0 | 99.8 | 100.4 | 69.1 | 69.2 | 99.8 | 99.6 | | 21.2 | | | 144 | 146 | 98.6 | 101.4 |
| F2 | | 6.1 | | | | 69.0 | | | | 69.2 | | | | | | | | 137 | | |
| G2 | | 5.9 | | | | 68.6 | | | | 70.0 | | | | 19.7 | | | | 142 | | |
| L2 | 7.1 | 7.4 | 95.9 | 114.5 | 69.2 | 69.1 | 100.1 | 100.9 | 69.4 | 69.3 | 100.1 | 100.0 | 19.4 | 19.2 | 101.0 | 99.0 | 141 | 138 | 102.2 | 99.3 |
| R2 | | 6.5 | | | | 68.5 | | | | 69.5 | | | | 19.9 | | | | 135 | | |
| S2 | 7.6 | 7.1 | 107.0 | 122.6 | 69.5 | 69.1 | 100.6 | 101.3 | 69.6 | 69.7 | 99.8 | 100.3 | 19.2 | 19.3 | 99.5 | 98.0 | 137 | 138 | 99.3 | 96.5 |
| W2 | 5.7 | 5.5 | 103.6 | 91.9 | 68.0 | 68.4 | 99.4 | 99.1 | 69.6 | 70.1 | 99.3 | 100.3 | 19.2 | 19.0 | 101.0 | 98.0 | 143 | 145 | 98.6 | 100.7 |
| X2 | 6.7 | 6.3 | 106.3 | 108.1 | 69.2 | 69.3 | 99.8 | 100.9 | 69.8 | 69.9 | 99.8 | 100.6 | 19.0 | 19.4 | 97.9 | 96.9 | 147 | 146 | 100.7 | 103.5 |
| Y2 | 5.0 | 5.0 | 100.0 | 80.6 | 68.9 | 68.0 | 101.3 | 100.4 | 71.0 | 70.0 | 101.4 | 102.3 | 18.8 | 19.1 | 98.4 | 95.9 | 141 | 139 | 101.4 | 99.3 |
| Z2 | 4.9 | 4.9 | 100.0 | 79.0 | 66.9 | 67.1 | 99.7 | 97.5 | 69.0 | 69.2 | 99.7 | 99.4 | 20.0 | 20.0 | 100.0 | 102.0 | 154 | 152 | 101.3 | 108.4 |
| A3 | 6.2 | 6.2 | 100.0 | 100.0 | 70.0 | 69.7 | 100.4 | 102.0 | 70.2 | 69.9 | 100.4 | 101.2 | 17.9 | 19.7 | 90.9 | 91.3 | 158 | 160 | 98.8 | 111.3 |
| B3 | 5.8 | 6.0 | 96.7 | 93.5 | 68.1 | 68.2 | 99.8 | 99.3 | 69.6 | 69.5 | 100.1 | 100.3 | 16.9 | 17.6 | 96.0 | 86.2 | 142 | 138 | 102.9 | 100.0 |
| C3 | | 6.0 | | | | 68.2 | | | | 69.5 | | | | 19.8 | | | | 141 | | |
| E3 | 5.6 | 5.8 | 96.6 | 90.3 | 68.0 | 68.0 | 100.0 | 99.1 | 69.6 | 69.5 | 100.1 | 100.3 | 19.4 | 19.6 | 99.0 | 99.0 | 143 | 147 | 97.3 | 100.7 |
| I3 | 6.9 | 7.0 | 98.6 | 111.3 | 68.4 | 68.4 | 100.0 | 99.7 | 69.1 | 69.0 | 100.1 | 99.6 | 17.8 | 18.3 | 97.3 | 90.8 | 151 | 144 | 104.9 | 106.3 |
| O3 | 6.5 | 6.5 | 100.0 | 104.8 | 68.4 | 68.0 | 100.6 | 99.7 | 69.4 | 69.0 | 100.6 | 100.0 | 19.5 | 19.4 | 100.5 | 99.5 | 139 | 141 | 98.6 | 97.9 |
| Q3 | 7.1 | 7.0 | 101.4 | 114.5 | 69.1 | 68.9 | 100.3 | 100.7 | 69.7 | 69.5 | 100.3 | 100.4 | 19.5 | 19.6 | 99.5 | 99.5 | 143 | 140 | 102.1 | 100.7 |
| R3 | | 6.4 | | | | 69.0 | | | | 69.2 | | | | 18.1 | | | | 145 | | |
| X3 | | 6.1 | | | | 67.4 | | | | 68.7 | | | | 21.0 | | | | 138 | | |
| H4 | | 5.6 | | | | 69.5 | | | | 70.1 | | | | 20.9 | | | | 138 | | |
| I4 | 5.4 | 4.9 | 110.2 | 87.1 | 67.5 | 67.8 | 99.6 | 98.4 | 68.1 | 68.4 | 99.6 | 98.1 | 20.6 | 21.3 | 96.7 | 105.1 | 149 | 143 | 104.2 | 104.9 |
| J4 | 6.8 | 6.8 | 100.0 | 109.7 | 68.8 | 68.6 | 100.3 | 100.3 | 69.6 | 69.4 | 100.3 | 100.3 | 19.5 | 19.4 | 100.5 | 99.5 | 135 | 139 | 97.1 | 95.1 |
| K4 | | 6.2 | | | | 68.3 | | | | 69.5 | | | | 20.5 | | | | 139 | | |
| L4 | | 4.1 | | | | 67.7 | | | | 70.5 | | | | 19.7 | | | | 146 | | |
| Q4 | 5.9 | 6.0 | 98.3 | 95.2 | 69.0 | 69.4 | 99.4 | 100.6 | 69.2 | 69.6 | 99.4 | 99.7 | 19.5 | 19.4 | 100.5 | 99.5 | 138 | 137 | 100.7 | 97.2 |
| FKBG DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 6.2 | | | | 68.7 | | | | 69.5 | | | | 19.3 | | | | 143 | | | |
| CUM. AV. | 6.2 | | | | 68.6 | | | | 69.4 | | | | 19.6 | | | | 142 | | | |
| IND. *D | 100.0 | | | | 100.1 | | | | 100.1 | | | | 98.5 | | | | 100.7 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | 6.0 | | | | 69.1 | | | | 69.4 | | | | 19.3 | | | | 141 | | |
| C1 | 7.1 | 6.8 | 104.4 | 114.5 | 68.8 | 68.7 | 100.1 | 100.3 | 69.4 | 69.5 | 99.8 | 99.8 | 20.3 | 19.0 | 106.8 | 103.6 | 146 | 151 | 96.7 | 102.8 |
| F1 | | 6.2 | | | | 70.0 | | | | 70.6 | | | | 18.3 | | | | 149 | | |
| H1 | 6.0 | 6.1 | 98.4 | 96.8 | 68.5 | 68.5 | 100.0 | 99.8 | 69.9 | 69.7 | 100.3 | 100.6 | 19.9 | 20.3 | 98.0 | 101.5 | 140 | 141 | 99.3 | 98.6 |
| I1 | 5.5 | 5.8 | 101.7 | 95.2 | 69.3 | 69.3 | 100.0 | 101.0 | 69.5 | 69.5 | 100.0 | 100.0 | 20.3 | 20.5 | 99.0 | 103.6 | 147 | 140 | 105.0 | 103.5 |
| K1 | 6.5 | 6.9 | 94.2 | 104.8 | 69.0 | 68.8 | 100.3 | 100.6 | 70.0 | 69.5 | 100.7 | 100.7 | 19.9 | 19.0 | 104.7 | 101.5 | 137 | 138 | 99.3 | 96.5 |
| M1 | 6.1 | 5.9 | 103.4 | 98.4 | 68.3 | 68.5 | 99.7 | 99.6 | 69.5 | 69.9 | 99.4 | 100.0 | 20.7 | 21.1 | 98.1 | 105.6 | 145 | 136 | 106.6 | 102.1 |
| O1 | | 6.7 | | | | 68.9 | | | | 69.5 | | | | 17.8 | | | | 182 | | |
| U1 | 6.7 | 6.7 | 100.0 | 108.1 | 69.2 | 69.2 | 100.0 | 100.9 | 69.4 | 69.4 | 100.0 | 99.8 | 17.9 | 18.4 | 97.3 | 91.3 | 147 | 141 | 104.2 | 103.5 |
| W1 | | 6.0 | | | | 68.2 | | | | 69.6 | | | | 19.7 | | | | 139 | | |
| A2 | 5.9 | 6.0 | 98.3 | 95.2 | 68.9 | 69.0 | 99.8 | 100.4 | 69.1 | 69.2 | 99.8 | 99.4 | 20.5 | 21.1 | 97.2 | 104.6 | 145 | 147 | 98.6 | 102.1 |
| F2 | 5.8 | 6.1 | 95.1 | 93.5 | 69.0 | 69.0 | 100.0 | 100.6 | 69.2 | 69.2 | 100.0 | 99.6 | | | | | 144 | 137 | 105.1 | 101.4 |
| G2 | | 5.9 | | | | 68.6 | | | | 70.0 | | | | 19.7 | | | | 142 | | |
| L2 | 6.9 | 7.4 | 93.2 | 111.3 | 69.3 | 69.1 | 100.3 | 101.0 | 69.5 | 69.3 | 100.3 | 100.0 | 19.7 | 19.2 | 102.6 | 100.5 | 137 | 139 | 98.6 | 96.5 |
| R2 | | 6.5 | | | | 68.5 | | | | 69.5 | | | | 19.9 | | | | 135 | | |
| S2 | 7.3 | 7.1 | 102.8 | 117.7 | 69.2 | 69.1 | 100.1 | 100.9 | 69.5 | 69.6 | 99.8 | 100.0 | 19.4 | 19.3 | 100.5 | 99.0 | 137 | 138 | 99.3 | 96.5 |
| W2 | 6.1 | 5.5 | 110.9 | 98.4 | 68.4 | 68.4 | 100.0 | 99.7 | 69.6 | 70.2 | 99.1 | 100.1 | 19.0 | 19.0 | 100.0 | 96.9 | 140 | 145 | 96.6 | 98.6 |
| X2 | 6.7 | 6.4 | 104.7 | 108.1 | 69.2 | 69.3 | 99.8 | 100.9 | 69.8 | 69.9 | 99.8 | 100.4 | 18.5 | 19.4 | 95.4 | 94.4 | 149 | 146 | 102.0 | 104.9 |
| Y2 | 4.9 | 5.0 | 98.0 | 79.0 | 68.8 | 68.1 | 101.0 | 100.3 | 70.9 | 70.2 | 101.0 | 102.0 | 19.6 | 19.0 | 103.2 | 100.0 | 145 | 139 | 104.3 | 102.1 |
| Z2 | 5.4 | 4.9 | 110.2 | 87.1 | 67.7 | 67.0 | 101.0 | 98.7 | 69.5 | 69.2 | 100.4 | 100.0 | 19.3 | 20.0 | 96.5 | 98.5 | 156 | 153 | 102.0 | 105.8 |
| A3 | 6.3 | 6.2 | 101.6 | 101.6 | 69.2 | 69.8 | 99.1 | 100.9 | 69.4 | 70.0 | 99.1 | 99.3 | 19.1 | 19.4 | 98.6 | 97.4 | 156 | 159 | 98.1 | 105.8 |
| B3 | 5.9 | 6.0 | 98.3 | 95.2 | 68.0 | 68.1 | 99.8 | 99.1 | 69.4 | 69.4 | 100.0 | 99.8 | 18.1 | 17.6 | 102.8 | 92.3 | 144 | 138 | 104.3 | 101.4 |
| C3 | | 6.0 | | | | 68.2 | | | | 69.5 | | | | 19.8 | | | | 141 | | |
| E3 | 5.6 | 5.8 | 96.6 | 90.3 | 67.7 | 68.1 | 99.4 | 98.7 | 69.3 | 69.5 | 99.7 | 99.7 | 19.1 | 19.6 | 97.4 | 97.4 | 140 | 146 | 95.9 | 98.6 |
| I3 | 6.8 | 7.0 | 97.1 | 109.7 | 68.4 | 68.4 | 100.0 | 99.7 | 69.2 | 69.0 | 100.3 | 99.6 | 17.7 | 18.2 | 97.2 | 90.3 | 150 | 144 | 104.2 | 105.6 |
| O3 | 6.5 | 6.5 | 100.0 | 106.8 | 68.1 | 68.0 | 100.1 | 99.3 | 69.1 | 69.0 | 100.1 | 99.4 | 19.7 | 19.4 | 101.5 | 100.5 | 139 | 140 | 99.3 | 97.9 |
| Q3 | 7.0 | 7.0 | 100.0 | 112.9 | 69.3 | 69.0 | 100.4 | 101.0 | 69.9 | 69.6 | 100.4 | 100.6 | 20.1 | 19.6 | 102.6 | 102.6 | 137 | 140 | 97.8 | 96.5 |
| R3 | 6.5 | 6.4 | 101.6 | 104.8 | 69.1 | 69.0 | 100.1 | 100.7 | 69.3 | 69.2 | 100.1 | 99.7 | 18.0 | 18.0 | 100.0 | 91.8 | 157 | 146 | 107.5 | 110.6 |
| X3 | 5.7 | 6.1 | 93.4 | 91.9 | 66.6 | 67.4 | 98.8 | 97.1 | 68.1 | 68.7 | 99.1 | 98.0 | 21.5 | 21.1 | 101.9 | 109.7 | 141 | 138 | 102.2 | 99.3 |
| H4 | | 5.6 | | | | 69.5 | | | | 70.1 | | | | 20.9 | | | | 138 | | |
| I4 | 5.0 | 4.9 | 102.0 | 80.6 | 67.5 | 67.8 | 99.6 | 98.4 | 68.1 | 68.4 | 99.6 | 98.0 | 21.0 | 21.2 | 99.0 | 107.1 | 143 | 144 | 99.3 | 100.7 |
| J4 | 6.8 | 6.8 | 100.0 | 109.7 | 69.0 | 68.6 | 100.6 | 100.6 | 69.8 | 69.4 | 100.6 | 100.4 | 20.0 | 19.3 | 103.6 | 102.0 | 138 | 138 | 100.0 | 97.2 |
| K4 | 5.5 | 6.2 | 88.7 | 88.7 | 67.6 | 68.3 | 99.0 | 98.5 | 69.3 | 69.5 | 99.7 | 99.7 | 20.1 | 20.5 | 98.0 | 102.6 | 140 | 139 | 100.7 | 98.6 |
| L4 | | 4.0 | | | | 67.7 | | | | 70.5 | | | | 19.6 | | | | 146 | | |
| Q4 | 6.1 | 5.9 | 103.4 | 98.4 | 68.8 | 69.4 | 99.1 | 100.3 | 69.0 | 69.6 | 99.1 | 99.3 | 18.7 | 19.4 | 96.4 | 93.4 | 139 | 137 | 101.4 | 97.9 |

FKBG DATA

| | CUR. | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AV. | 5.2 | | | | 68.6 | | | | 69.4 | | | | 19.5 | | | | 144 | | | |
| CUM. AV. | 6.2 | | | | 68.6 | | | | 69.5 | | | | 19.6 | | | | 142 | | | |
| IND. *D | 100.0 | | | | 100.0 | | | | 99.8 | | | | 99.5 | | | | 101.4 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

| | APRIL, 1982 | | | | MAY, 1982 | | | | JUNE, 1982 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | | | | | | | | | | | |
| C1 | 121.0 | | | | 111.0 | 121.0 | 91.7 | 96.2 | 111.0 | 116.0 | 95.7 | 94.4 |
| F1 | | | | | | | | | | | | |
| H1 | | | | | | | | | | | | |
| I1 | 109.0 | | | | 109.0 | 109.0 | 100.0 | 94.4 | 108.0 | 109.0 | 99.1 | 91.8 |
| K1 | | | | | | | | | | | | |
| M1 | | | | | | | | | | | | |
| O1 | | | | | | | | | | | | |
| U1 | 108.0 | | | | 104.9 | 108.0 | 97.1 | 90.9 | 99.0 | 106.4 | 93.0 | 84.2 |
| W1 | | | | | | | | | | | | |
| A2 | 114.0 | | | | 131.0 | 114.0 | 114.9 | 113.5 | 131.0 | 122.5 | 106.9 | 111.4 |
| F2 | 124.0 | | | | | 124.0 | | | | 124.0 | | |
| G2 | | | | | | | | | | | | |
| L2 | 126.0 | | | | 119.0 | 126.0 | 94.4 | 103.1 | 123.0 | 122.5 | 100.4 | 104.6 |
| R2 | | | | | | | | | | | | |
| S2 | | | | | | | | | | | | |
| W2 | 109.0 | | | | | 109.0 | | | | 109.0 | | |
| X2 | 127.4 | | | | 125.4 | 127.4 | 98.4 | 108.7 | 123.8 | 126.4 | 97.9 | 105.3 |
| Y2 | | | | | | | | | | | | |
| Z2 | 124.0 | | | | 118.0 | 124.0 | 95.2 | 102.2 | 133.0 | 121.0 | 109.9 | 113.1 |
| A3 | 100.0 | | | | 112.0 | 100.0 | 112.0 | 97.0 | 109.0 | 106.0 | 102.8 | 92.7 |
| B3 | 107.0 | | | | 112.0 | 107.0 | 104.7 | 97.0 | 103.0 | 109.5 | 94.1 | 87.6 |
| C3 | | | | | | | | | | | | |
| D3 | | | | | | | | | | | | |
| E3 | 116.0 | | | | 122.0 | 116.0 | 105.2 | 105.7 | 116.0 | 119.0 | 97.5 | 98.6 |
| I3 | 117.0 | | | | 125.0 | 117.0 | 106.8 | 108.3 | 118.0 | 121.0 | 97.5 | 100.3 |
| O3 | | | | | | | | | | | | |
| Q3 | 132.0 | | | | 154.0 | 132.0 | 116.7 | 133.4 | 133.0 | 143.0 | 93.0 | 113.1 |
| R3 | 106.3 | | | | | 106.3 | | | 114.7 | 106.3 | 107.9 | 97.5 |
| X3 | 111.0 | | | | | 111.0 | | | | 111.0 | | |
| H4 | | | | | | | | | | | | |
| I4 | 96.0 | | | | 99.0 | 96.0 | 103.1 | 85.8 | 90.0 | 97.5 | 92.3 | 76.5 |
| J4 | | | | | | | | | | | | |
| K4 | | | | | | | | | | | | |
| L4 | | | | | | | | | | | | |
| Q4 | 130.0 | | | | 136.0 | 130.0 | 104.6 | 117.8 | 156.0 | 133.0 | 117.3 | 132.6 |
| FKBG DATA | | | | | | | | | | | | |
| CUR. AV. | 115.4 | | | | 119.9 | | | | 117.9 | | | |
| CUM. AV. | | | | | 115.4 | | | | 117.3 | | | |
| IND. *D | | | | | 103.9 | | | | 100.2 | | | |

TABLE XXI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

APRIL, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUP. AV. | FACT. *B | IND. *C |
| A1 | | 6.1 | | | | 90.5 | | | | 91.0 | | | | 25.3 | | | | 172 | | |
| C1 | 7.4 | 7.2 | 102.8 | 117.5 | 90.1 | 89.6 | 100.6 | 100.7 | 90.5 | 90.2 | 100.3 | 99.9 | 24.8 | 23.8 | 104.2 | 96.5 | 176 | 186 | 94.6 | 104.1 |
| F1 | | 6.3 | | | | 89.8 | | | | 90.6 | | | | 25.7 | | | | 163 | | |
| I1 | | 6.0 | | | | 90.2 | | | | 90.5 | | | | 26.9 | | | | 163 | | |
| H1 | 6.4 | 6.4 | 100.0 | 101.6 | 89.6 | 89.8 | 99.8 | 100.1 | 90.9 | 91.2 | 99.7 | 100.3 | 27.1 | 26.6 | 101.9 | 105.4 | 164 | 163 | 100.6 | 97.0 |
| U1 | 6.6 | 6.6 | 100.0 | 104.8 | 90.1 | 90.4 | 99.7 | 100.7 | 90.4 | 90.7 | 99.7 | 99.8 | 23.4 | 24.8 | 94.4 | 91.0 | 176 | 168 | 104.8 | 104.1 |
| W1 | 5.4 | 6.1 | 88.5 | 85.7 | 88.8 | 89.4 | 99.3 | 99.2 | 91.1 | 91.1 | 100.0 | 100.6 | 25.9 | 27.0 | 95.9 | 100.8 | 167 | 167 | 100.0 | 98.8 |
| A2 | 6.4 | 6.1 | 104.9 | 101.6 | 90.4 | 89.9 | 100.6 | 101.0 | 90.7 | 90.2 | 100.6 | 100.1 | 27.3 | 27.9 | 97.8 | 106.2 | 191 | 174 | 109.8 | 113.0 |
| G2 | | 7.8 | | | | 89.8 | | | | 89.8 | | | | 26.1 | | | | 162 | | |
| W2 | 5.6 | 6.2 | 90.3 | 88.9 | 88.6 | 89.4 | 99.1 | 99.0 | 90.7 | 91.0 | 99.7 | 100.1 | 24.7 | 24.6 | 100.4 | 96.1 | 159 | 162 | 98.1 | 94.1 |
| X2 | 6.8 | 6.4 | 106.2 | 107.9 | 90.5 | 90.4 | 100.1 | 101.1 | 91.3 | 91.2 | 100.1 | 100.8 | 25.5 | 26.4 | 96.6 | 99.2 | 169 | 171 | 98.8 | 100.0 |
| Z2 | | 4.9 | | | | 87.7 | | | | 90.4 | | | | 26.7 | | | | 171 | | |
| A3 | 6.3 | 6.9 | 91.3 | 100.0 | 90.6 | 91.0 | 99.6 | 101.2 | 90.9 | 91.3 | 99.6 | 100.3 | 23.9 | 26.1 | 91.6 | 93.0 | 190 | 171 | 111.1 | 112.4 |
| B3 | 6.0 | 6.2 | 96.8 | 95.2 | 88.9 | 89.2 | 99.7 | 99.3 | 90.7 | 90.7 | 100.0 | 100.1 | 23.3 | 23.9 | 97.5 | 90.7 | 170 | 166 | 102.4 | 100.6 |
| E3 | | 6.0 | | | | 88.9 | | | | 90.6 | | | | 25.7 | | | | 174 | | |
| I3 | 7.8 | 7.1 | 109.8 | 123.8 | 89.8 | 89.6 | 100.4 | 100.3 | 89.8 | 90.1 | 99.7 | 99.1 | 22.8 | 23.9 | 95.4 | 88.7 | 173 | 172 | 100.6 | 102.4 |
| O3 | 6.5 | 6.5 | 100.0 | 103.2 | 88.5 | 88.7 | 99.8 | 98.9 | 89.7 | 90.0 | 99.7 | 99.0 | 25.8 | 26.0 | 99.2 | 100.4 | 173 | 176 | 98.3 | 102.4 |
| R3 | | 6.2 | | | | 89.9 | | | | 90.2 | | | | 23.7 | | | | 168 | | |
| K4 | 6.2 | 6.6 | 93.9 | 98.6 | 88.9 | 89.5 | 99.3 | 99.3 | 90.4 | 90.7 | 99.7 | 99.8 | 26.5 | 27.0 | 98.1 | 103.1 | 170 | 168 | 101.2 | 100.6 |
| FKBS DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 6.4 | | | | 89.6 | | | | 90.6 | | | | 25.1 | | | | 173 | | | |
| CUM. AV. | 6.3 | | | | 89.5 | | | | 90.6 | | | | 25.7 | | | | 169 | | | |
| IND. *D | 101.6 | | | | 100.1 | | | | 100.0 | | | | 97.7 | | | | 102.4 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

MAY, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT., *A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | 6.1 | | | | 90.5 | | | | 91.0 | | | | 25.3 | | | | 172 | | |
| C1 | 7.6 | 7.2 | 105.6 | 120.6 | 90.4 | 89.7 | 100.8 | 100.9 | 90.6 | 90.2 | 100.4 | 100.0 | 25.3 | 24.0 | 105.4 | 98.8 | 172 | 185 | 93.0 | 101.2 |
| F1 | | 6.3 | | | | 89.8 | | | | 90.6 | | | | 25.7 | | | | 163 | | |
| I1 | 6.4 | 6.0 | 106.7 | 101.6 | 90.2 | 90.2 | 100.0 | 100.7 | 90.5 | 90.5 | 100.0 | 99.9 | 27.5 | 26.9 | 102.2 | 107.4 | 160 | 164 | 97.6 | 94.1 |
| M1 | 6.9 | 6.4 | 107.8 | 109.5 | 89.2 | 89.8 | 99.3 | 99.6 | 90.1 | 91.1 | 98.9 | 99.4 | 27.2 | 26.6 | 102.2 | 106.2 | 162 | 163 | 99.4 | 95.3 |
| U1 | 6.0 | 6.6 | 90.9 | 95.2 | 90.1 | 90.4 | 99.7 | 100.6 | 90.4 | 90.7 | 99.7 | 99.8 | 22.8 | 24.6 | 92.7 | 89.1 | 180 | 169 | 106.5 | 105.9 |
| M1 | 5.8 | 6.0 | 96.7 | 92.1 | 89.3 | 89.4 | 99.9 | 99.7 | 91.3 | 91.1 | 100.2 | 100.8 | 26.5 | 26.9 | 98.5 | 103.5 | 169 | 166 | 101.8 | 99.4 |
| A2 | 6.0 | 6.1 | 98.4 | 95.2 | 89.7 | 89.9 | 99.8 | 100.1 | 90.0 | 90.2 | 99.8 | 99.3 | 27.8 | 27.7 | 100.4 | 108.6 | 181 | 177 | 102.2 | 106.5 |
| G2 | | 7.9 | | | | 88.9 | | | | 88.8 | | | | 26.4 | | | | 159 | | |
| M2 | 5.7 | 6.1 | 93.4 | 90.5 | 88.6 | 89.4 | 99.1 | 98.9 | 90.6 | 91.0 | 99.6 | 100.0 | 24.9 | 24.6 | 101.2 | 97.3 | 161 | 162 | 99.4 | 94.7 |
| X2 | 6.8 | 6.3 | 107.9 | 107.9 | 90.1 | 90.4 | 99.7 | 100.6 | 90.9 | 91.2 | 99.7 | 100.3 | 25.5 | 26.2 | 97.3 | 99.6 | 174 | 170 | 102.4 | 102.4 |
| Z2 | 5.0 | 4.9 | 102.0 | 79.4 | 87.7 | 87.7 | 100.0 | 97.9 | 90.3 | 90.5 | 99.8 | 99.7 | 26.2 | 26.6 | 98.5 | 102.3 | 188 | 171 | 109.9 | 110.6 |
| A3 | 6.8 | 6.8 | 100.0 | 107.9 | 90.9 | 90.9 | 100.0 | 101.4 | 91.2 | 91.2 | 100.0 | 100.7 | 24.5 | 25.6 | 95.7 | 95.7 | 187 | 176 | 106.2 | 110.0 |
| B3 | 5.7 | 6.2 | 91.9 | 90.5 | 88.8 | 89.0 | 99.8 | 99.1 | 90.8 | 90.6 | 100.2 | 100.2 | 23.1 | 23.9 | 96.6 | 90.2 | 166 | 166 | 100.0 | 97.6 |
| E3 | | 6.0 | | | | 88.9 | | | | 90.7 | | | | 25.6 | | | | 173 | | |
| I3 | 7.2 | 7.2 | 100.0 | 114.3 | 89.7 | 89.4 | 100.3 | 100.1 | 90.3 | 90.1 | 100.2 | 99.7 | 22.8 | 23.8 | 95.8 | 89.1 | 189 | 172 | 109.9 | 111.2 |
| O3 | 6.5 | 6.5 | 100.0 | 103.2 | 88.5 | 88.7 | 99.8 | 98.8 | 89.7 | 89.9 | 99.8 | 99.0 | 25.9 | 26.1 | 99.2 | 101.2 | 180 | 176 | 102.3 | 105.9 |
| R3 | | 6.2 | | | | 89.9 | | | | 90.2 | | | | 23.7 | | | | 168 | | |
| K4 | 6.9 | 6.5 | 106.2 | 109.5 | 89.6 | 89.4 | 100.2 | 100.0 | 90.5 | 90.7 | 99.8 | 99.9 | 27.2 | 27.0 | 100.7 | 106.2 | 167 | 168 | 99.4 | 98.2 |
| FK93 DATA | | | | | | | | | | | | | | | | | | | | |
| CUR. AV. | 6.4 | | | | 89.5 | | | | 90.5 | | | | 25.5 | | | | 174 | | | |
| CUM. AV. | 6.3 | | | | 89.6 | | | | 90.6 | | | | 25.6 | | | | 170 | | | |
| IND. *D | 101.6 | | | | 99.9 | | | | 99.9 | | | | 99.6 | | | | 102.4 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1982

| | MOISTURE CONTENT, PERCENT | | | | BASIS WT., LB / M SQ FT | | | | ADJ. BASIS WT.,*A LB / M SQ FT | | | | CALIPER, PT | | | | BURSTING STRENGTH, P S I G | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | | |
| CODE | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | 6.1 | | | | 90.5 | | | | 91.0 | | | | 25.3 | | | | 172 | | |
| C1 | 7.5 | 7.2 | 104.2 | 117.2 | 90.2 | 89.7 | 100.6 | 100.7 | 90.5 | 90.3 | 100.2 | 99.9 | 25.4 | 24.1 | 105.4 | 99.2 | 176 | 184 | 95.6 | 103.5 |
| F1 | | 6.3 | | | | 89.8 | | | | 90.6 | | | | 25.7 | | | | 163 | | |
| H1 | 5.9 | | | 92.2 | 89.5 | | | 99.9 | 91.4 | | | 100.9 | 25.9 | | | 101.2 | 169 | | | 99.4 |
| I1 | 6.2 | 6.1 | 101.6 | 96.9 | 90.3 | 90.2 | 100.1 | 100.8 | 90.6 | 90.5 | 100.1 | 100.0 | 27.3 | 27.0 | 101.1 | 106.6 | 167 | 164 | 101.8 | 98.2 |
| M1 | 6.5 | 6.5 | 100.0 | 101.6 | 89.3 | 89.7 | 99.6 | 99.7 | 90.6 | 91.0 | 99.6 | 100.0 | 25.9 | 26.6 | 97.4 | 101.2 | 165 | 163 | 101.2 | 97.0 |
| U1 | 6.2 | 6.5 | 95.4 | 96.9 | 90.2 | 90.4 | 99.8 | 100.7 | 90.5 | 90.7 | 99.8 | 99.9 | 23.9 | 24.4 | 98.0 | 93.4 | 184 | 170 | 108.2 | 108.2 |
| W1 | 5.8 | 6.0 | 96.7 | 90.6 | 89.4 | 89.3 | 100.1 | 99.8 | 91.4 | 91.1 | 100.3 | 100.9 | 26.0 | 26.8 | 97.0 | 101.6 | 172 | 166 | 103.6 | 101.2 |
| A2 | 6.2 | 6.2 | 100.0 | 96.9 | 87.7 | 90.0 | 97.4 | 97.9 | 88.0 | 90.3 | 97.4 | 97.1 | 28.8 | 27.9 | 103.2 | 112.5 | 180 | 179 | 100.6 | 105.9 |
| G2 | | 7.9 | | | | 88.9 | | | | 88.8 | | | | 26.4 | | | | 159 | | |
| M2 | 6.0 | 6.0 | 100.0 | 93.8 | 88.7 | 89.4 | 99.2 | 99.0 | 90.5 | 91.1 | 99.3 | 99.9 | 24.9 | 24.6 | 101.2 | 97.3 | 157 | 162 | 96.9 | 92.4 |
| X2 | 6.4 | 6.4 | 100.0 | 100.0 | 90.3 | 90.4 | 99.9 | 100.8 | 91.1 | 91.2 | 99.9 | 100.6 | 25.5 | 26.1 | 97.7 | 99.6 | 176 | 171 | 102.9 | 103.5 |
| Z2 | 6.3 | 4.9 | 128.6 | 98.4 | 88.9 | 87.7 | 101.4 | 99.2 | 90.3 | 90.5 | 99.8 | 99.7 | 26.3 | 26.6 | 98.9 | 102.7 | 187 | 173 | 108.1 | 110.0 |
| A3 | 6.6 | 6.8 | 97.0 | 103.1 | 91.4 | 90.9 | 100.6 | 102.0 | 91.7 | 91.2 | 100.5 | 101.2 | 25.1 | 25.4 | 98.8 | 99.0 | 182 | 178 | 102.2 | 107.0 |
| B3 | 5.3 | 6.1 | 86.9 | 82.8 | 88.1 | 88.9 | 99.1 | 98.3 | 90.5 | 90.5 | 100.0 | 99.9 | | 23.7 | | | 170 | 166 | 102.4 | 100.0 |
| E3 | | 6.2 | | | | 88.9 | | | | 90.5 | | | | 25.4 | | | | 172 | | |
| I3 | 6.9 | 7.2 | 95.8 | 107.8 | 89.2 | 89.5 | 99.7 | 99.6 | 90.1 | 90.1 | 100.0 | 99.4 | 23.1 | 23.7 | 97.5 | 90.2 | 172 | 173 | 99.4 | 101.2 |
| O3 | 6.4 | 6.5 | 98.5 | 100.0 | 89.1 | 88.7 | 100.4 | 99.4 | 90.4 | 90.0 | 100.4 | 99.8 | 26.1 | 26.0 | 100.4 | 102.0 | 180 | 177 | 101.7 | 105.9 |
| R3 | | 6.2 | | | | 89.9 | | | | 90.2 | | | | 23.7 | | | | 168 | | |
| K4 | | 6.6 | | | | 89.6 | | | | 90.7 | | | | 27.0 | | | | 167 | | |

FKBG DATA

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CUR. AV. | 6.3 | | | | 89.4 | | | | 90.5 | | | | 25.7 | | | | 174 | | | |
| CUM. AV. | 6.4 | | | | 89.6 | | | | 90.6 | | | | 25.6 | | | | 170 | | | |
| IND. *D | 99.4 | | | | 99.8 | | | | 99.9 | | | | 100.4 | | | | 102.4 | | | |

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

| | APRIL, 1982 | | | | MAY, 1982 | | | | JUNE, 1982 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MACHINE DATA | | | | MACHINE DATA | | | | MACHINE DATA | | |
| | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C | CUR. AV. | CUM. AV. | FACT. *B | IND. *C |
| A1 | | | | | | | | | | | | |
| C1 | 139.0 | | | | 140.0 | 139.0 | 100.7 | 90.5 | 135.0 | 139.5 | 96.8 | 87.0 |
| F1 | | | | | | | | | | | | |
| H1 | | | | | | | | | | | | |
| I1 | | | | | 150.0 | | | 97.0 | 151.0 | 150.0 | 100.7 | 97.3 |
| M1 | | | | | | | | | | | | |
| U1 | 146.0 | | | | 149.9 | 146.0 | 102.7 | 96.9 | 145.4 | 148.0 | 98.2 | 93.7 |
| W1 | | | | | | | | | | | | |
| A2 | 153.0 | | | | 164.0 | 153.0 | 107.2 | 106.0 | 164.0 | 159.5 | 103.5 | 105.7 |
| G2 | | | | | | | | | | | | |
| M2 | 197.0 | | | | | 197.0 | | | | 197.0 | | |
| X2 | 168.7 | | | | 166.4 | 168.7 | 98.6 | 107.6 | 144.0 | 167.6 | 85.9 | 92.8 |
| Z2 | | | | | 170.0 | | | 109.9 | 169.0 | 170.0 | 99.4 | 108.9 |
| A3 | 125.0 | | | | 144.0 | 125.0 | 115.2 | 93.1 | 153.0 | 136.5 | 113.8 | 98.6 |
| B3 | 155.0 | | | | 143.0 | 155.0 | 92.2 | 92.4 | 139.0 | 149.0 | 93.3 | 89.6 |
| E3 | | | | | | | | | | | | |
| I3 | 154.0 | | | | 174.0 | 154.0 | 113.0 | 112.5 | 162.0 | 164.0 | 98.8 | 104.4 |
| O3 | | | | | | | | | | | | |
| R3 | | | | | | | | | | | | |
| K4 | | | | | | | | | | | | |
| FKBG DATA | | | | | | | | | | | | |
| CUR. AV. | 154.7 | | | | 155.7 | | | | 151.4 | | | |
| CUM. AV. | | | | | 154.7 | | | | 155.2 | | | |
| IND. *) | | | | | 100.6 | | | | 97.5 | | | |

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

APRIL, MAY, JUNE, 1982

| Code | Conditioning Environment: Are Quality Samples Conditioned Before Testing? | Procedure: Time | Temp., °F | RH, % | Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity? |
|---|---|---|---|---|---|
| A1 | No | -- | -- | -- | Yes: 73 ± 3°F; 50 ± 2% RH |
| C1 | No | -- | -- | -- | Yes: 72 ± 2°F; 50 ± 1% RH |
| E1 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| F1 | No data submitted for this quarter | | | | |
| H1 | No | -- | -- | -- | Yes: 73 ± 3.5°F; 50 ± 2% RH |
| I1 | No | -- | -- | -- | Yes: 73 ± 3°F; 50 ± 2% RH |
| K1 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| M1 | Yes | 10 min | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| N1 | No data submitted for this quarter | | | | |
| O1 | No data submitted for this quarter | -- | -- | -- | |
| T1 | No | -- | -- | -- | Yes: 73 ± 3°F; 50 ± 2% RH |
| U1 | Yes | 7 min | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| W1 | No | -- | -- | -- | No |
| X1 | Yes | 20 min | -- | -- | Yes: 72 ± 3.5°F; 50 ± 2% RH |
| Y1 | No | -- | -- | -- | No |
| Z1 | No | -- | -- | -- | Yes: 72 ± 3°F; 50 ± 2% RH |
| A2 | No | -- | -- | -- | No |
| C2 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| F2 | No | -- | -- | -- | No |
| G2 | No data submitted for this quarter | | | | |
| H2 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| K2 | Yes | 15 min | -- | -- | Yes: 73 ± 3.5°F; 50 ± 3% RH |
| L2 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| R2 | No | -- | -- | -- | Yes: 72 ± 5°F; 50 ± 5% RH |
| S2 | No | -- | -- | -- | Yes: 72 ± 3°F; 50 ± 2% RH |
| V2 | No | -- | -- | -- | Yes: 73 ± 3°F; 50 ± 1% RH |
| W2 | No | -- | -- | -- | No |
| X2 | No | -- | -- | -- | No |
| Y2 | No | -- | -- | -- | No |
| Z2 | No | -- | -- | -- | No |
| A3 | No | -- | -- | -- | No |
| B3 | No | -- | -- | -- | Yes: 73 ± 3°F; 50 ± 3% RH |
| C3 | No | -- | -- | -- | Yes: 73 ± 3.5°F; 50 ± 2% RH |
| D3 | No | -- | -- | -- | No |
| E3 | No | -- | -- | -- | No |
| I3 | No | -- | -- | -- | No |
| K3 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| M3 | No | -- | -- | -- | Yes: 73 ± 3°F; 50 ± 3% RH |
| O3 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| P3 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| Q3 | No | -- | -- | -- | No |
| R3 | No | -- | -- | -- | No |
| S3 | No | -- | -- | -- | Yes: 73 ± 3.5°F; 50 ± 2% RH |
| X3 | Yes | 15 min | -- | -- | Yes: 73 ± 2°F; 50 ± 1% RH |
| Y3 | Yes | 10 min | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| D4 | No data submitted for this quarter | | | | |
| E4 | No data submitted for this quarter | | | | |
| F4 | No | -- | -- | -- | No |
| G4 | No | -- | -- | -- | Yes: 72 ± 2°F; 50 ± 2% RH |
| H4 | No | -- | -- | -- | No |
| I4 | No | -- | -- | -- | Yes: 70 ± 2°F; 50 ± 2% RH |
| J4 | No | -- | -- | -- | Yes: 72 ± 5°F; 50 ± 5% RH |
| K4 | No | -- | -- | -- | No |
| L4 | No data submitted for this quarter | | | | |
| N4 | No | -- | -- | -- | Yes: 73 ± 2°F; 50 ± 2% RH |
| Q4 | No | -- | -- | -- | Yes: 72 ± 2°F; 50 ± 2% RH |
| T4 | No | -- | -- | -- | No |
| V4 | No | -- | -- | -- | No |

THE INSTITUTE OF PAPER CHEMISTRY

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Paper Materials & Systems Division

# APPENDIX

## NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)}\right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}}\right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months exluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

---

[a]CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b]CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.